
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549
FORM 10-Q**

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2024

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File Number: 001-39413

VERTEX, INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

2301 Renaissance Blvd
King of Prussia, Pennsylvania
(Address of principal executive offices)

23-2081753
(I.R.S. Employer
Identification No.)

19406

(Zip Code)

Registrant's telephone number, including area code: (800) 355-3500

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading symbol	Name of each exchange on which registered
Class A Common Stock, Par Value \$0.001 Per Share	VERX	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

As of November 1, 2024, the registrant had 65,969,319 shares of Class A common stock, \$0.001 par value per share, and 89,990,641 shares of Class B common stock, \$0.001 par value per share, outstanding.

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SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements made in this Quarterly Report on Form 10-Q that are not statements of historical fact, including statements about our beliefs and expectations and regarding future events or our future results of operations, financial condition, business, strategies, financial needs, and the plans and objectives of management, are forward-looking statements and should be evaluated as such. These statements often include words such as “anticipate,” “believe,” “expect,” “suggests,” “plans,” “intend,” “estimates,” “targets,” “projects,” “should,” “could,” “would,” “may,” “will,” “forecast,” and other similar expressions or the negatives of those terms. We base these forward-looking statements on our current expectations, plans, and assumptions that we have made in light of our experience in the industry, as well as our perceptions of historical trends, current conditions, expected future developments and other factors we believe are appropriate under the circumstances at such time. As you read and consider this Quarterly Report on Form 10-Q, you should understand that these statements are not guarantees of future performance or results. The forward-looking statements are subject to and involve risks, uncertainties and assumptions, and you should not place undue reliance on these forward-looking statements. Although we believe that these forward-looking statements are based on reasonable assumptions at the time they are made, you should be aware that many factors could affect our actual results or results of operations and could cause actual results to differ materially from those expressed in the forward-looking statements. Important factors that may materially affect such forward-looking statements include, but are not limited to:

- our ability to maintain and grow revenue from existing customers and new customers, and expand their usage of our solutions;
- our ability to maintain and expand our strategic relationships with third parties;
- our ability to adapt to technological change and successfully introduce new solutions or provide updates to existing solutions;
- risks related to failures in information technology or infrastructure;
- challenges in using and managing use of Artificial Intelligence in our business;
- incorrect or improper implementation, integration or use of our solutions;
- failure to attract and retain qualified technical and tax-content personnel;
- competitive pressures from other tax software and service providers and challenges of convincing businesses using native enterprise resource planning (“ERP”) functions to switch to our software;
- our ability to accurately forecast our revenue and other future results of operations based on recent success;
- our ability to offer specific software deployment methods based on changes to customers’ and partners’ software systems;
- our ability to continue making significant investments in software development and equipment;
- our ability to sustain and expand revenues, maintain profitability, and to effectively manage our anticipated growth;
- our ability to successfully diversify our solutions by developing or introducing new solutions or acquiring and integrating additional businesses, products, services, or content;
- our ability to successfully integrate acquired businesses and to realize the anticipated benefits of such acquisitions;
- risks related to the fluctuations in our results of operations;
- risks related to our expanding international operations;
- our exposure to liability from errors, delays, fraud or system failures, which may not be covered by insurance;
- our ability to adapt to organizational changes and effectively implement strategic initiatives;
- risks related to our determinations of customers’ transaction tax and tax payments;
- risks related to changes in tax laws and regulations or their interpretation or enforcement;

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- our ability to manage cybersecurity and data privacy risks;
- our involvement in material legal proceedings and audits;
- risks related to undetected errors, bugs or defects in our software;
- risks related to utilization of open-source software, business processes and information systems;
- risks related to failures in information technology, infrastructure, and third-party service providers;
- our ability to effectively protect, maintain, and enhance our brand;
- changes in application, scope, interpretation or enforcement of laws and regulations;
- global economic weakness and uncertainties, and disruption in the capital and credit markets;
- business disruptions related to natural disasters, epidemic outbreaks, including a global endemic or pandemic, terrorist acts, political events, or other events outside of our control;
- our ability to comply with anti-corruption, anti-bribery, and similar laws;
- our ability to protect our intellectual property;
- changes in interest rates, security ratings and market perceptions of the industry in which we operate, or our ability to obtain capital on commercially reasonable terms or at all;
- our ability to maintain an effective system of disclosure controls and internal control over financial reporting, or ability to remediate any material weakness in our internal controls;
- risks related to our Class A common stock and controlled company status;
- risks related to our indebtedness and adherence to the covenants under our debt instruments;
- the effects of the Capped Call Transactions (as defined in the notes to the financial statements) and the actions of the Option Counterparties (as defined in the notes to the financial statements) and/or their respective affiliates;
- any statements of belief and any statements of assumptions underlying any of the foregoing; and
- other factors beyond our control.

The risks included here are not exhaustive, and additional factors could adversely affect our business and financial performance, including factors and risks included in our Annual Report on Form 10-K for the year ended December 31, 2023, filed with the Securities and Exchange Commission (the “SEC”) on February 29, 2024 (the “2023 Annual Report”). Moreover, we operate in a very competitive and rapidly changing environment. New risk factors emerge from time to time, and it is not possible for us to identify all such risk factors, nor can we assess the impact of all such risk factors on the business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. Given these risks and uncertainties, you should not place undue reliance on our forward-looking statements, and you should not rely on forward-looking statements as predictions of future events. The results, events, and circumstances reflected in the forward-looking statements may not be achieved or occur, and actual results, events, or circumstances could differ materially from those described in the forward-looking statements. The forward-looking statements made in this Quarterly Report on Form 10-Q speak only as of the date of this report. We undertake no obligation to update any forward-looking statements made in this report to reflect events or circumstances after the date of this report or to reflect new information or the occurrence of unanticipated events, except as required by law. If we update one or more forward-looking statements, no inference should be drawn that we will make additional updates with respect to those or other forward-looking statements.

PART I - FINANCIAL INFORMATION

Item 1. FINANCIAL STATEMENTS

Vertex, Inc. and Subsidiaries
Condensed Consolidated Balance Sheets
As of September 30, 2024 and December 31, 2023
(Amounts in thousands, except per share data)

	September 30, 2024 (unaudited)	December 31, 2023
Assets		
Current assets:		
Cash and cash equivalents	\$ 278,979	\$ 68,175
Funds held for customers	26,407	20,976
Accounts receivable, net of allowance of \$14,273 and \$16,272, respectively	129,908	141,752
Prepaid expenses and other current assets	33,863	26,173
Investment securities available-for-sale, at fair value (amortized cost of \$7,434 and \$9,550, respectively)	7,462	9,545
Total current assets	<u>476,619</u>	<u>266,621</u>
Property and equipment, net of accumulated depreciation	178,578	100,734
Capitalized software, net of accumulated amortization	36,864	38,771
Goodwill and other intangible assets	388,716	260,238
Deferred commissions	22,540	21,237
Deferred income tax asset	61,193	41,708
Operating lease right-of-use assets	12,567	14,605
Other assets	13,763	16,013
Total assets	<u>\$ 1,190,840</u>	<u>\$ 759,927</u>
Liabilities and Stockholders' Equity		
Current liabilities:		
Current portion of long-term debt	\$ —	\$ 2,500
Accounts payable	29,229	23,596
Accrued expenses	44,643	44,735
Customer funds obligations	23,762	17,731
Accrued salaries and benefits	20,025	12,277
Accrued variable compensation	35,391	34,105
Deferred revenue, current	300,620	290,143
Current portion of operating lease liabilities	3,863	3,717
Current portion of finance lease liabilities	88	74
Purchase commitment and contingent consideration liabilities, current	300	11,901
Total current liabilities	<u>457,921</u>	<u>440,779</u>
Deferred revenue, net of current portion	3,792	2,577
Debt, net of current portion	334,656	44,059
Operating lease liabilities, net of current portion	13,568	16,567
Finance lease liabilities, net of current portion	20	51
Purchase commitment and contingent consideration liabilities, net of current portion	105,000	2,600
Deferred income tax liabilities	16,187	—
Deferred other liabilities	670	313
Total liabilities	<u>931,814</u>	<u>506,946</u>
Commitments and contingencies (Note 12)		
Stockholders' equity:		
Preferred shares, \$0.001 par value, 30,000 shares authorized; no shares issued and outstanding	—	—
Class A voting common stock, \$0.001 par value, 300,000 shares authorized; 65,722 and 60,989 shares issued and outstanding, respectively	66	61
Class B voting common stock, \$0.001 par value, 150,000 shares authorized; 90,161 and 92,661 shares issued and outstanding, respectively	90	93
Additional paid in capital	264,494	275,155
Retained earnings (Accumulated deficit)	14,483	(586)
Accumulated other comprehensive loss	<u>(20,107)</u>	<u>(21,742)</u>
Total stockholders' equity	<u>259,026</u>	<u>252,981</u>
Total liabilities and stockholders' equity	<u>\$ 1,190,840</u>	<u>\$ 759,927</u>

The accompanying notes are an integral part of these condensed consolidated financial statements.

Vertex, Inc. and Subsidiaries
Condensed Consolidated Statements of Comprehensive Income (Loss)
For the three and nine months ended September 30, 2024 and 2023 (unaudited)
(Amounts in thousands, except per share data)

	Three months ended September 30,		Nine months ended September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Revenues:				
Software subscriptions	\$ 146,254	\$ 121,285	\$ 414,527	\$ 350,135
Services	24,181	23,742	73,793	67,338
Total revenues	<u>170,435</u>	<u>145,027</u>	<u>488,320</u>	<u>417,473</u>
Cost of revenues:				
Software subscriptions	43,641	41,055	131,030	116,974
Services	16,270	15,816	48,286	45,523
Total cost of revenues	<u>59,911</u>	<u>56,871</u>	<u>179,316</u>	<u>162,497</u>
Gross profit	<u>110,524</u>	<u>88,156</u>	<u>309,004</u>	<u>254,976</u>
Operating expenses:				
Research and development	15,621	16,772	47,080	45,314
Selling and marketing	42,111	33,919	123,143	103,196
General and administrative	41,499	35,385	112,915	109,071
Depreciation and amortization	5,214	3,782	15,432	11,401
Other operating expense (income), net	1,183	316	(442)	1,013
Total operating expenses	<u>105,628</u>	<u>90,174</u>	<u>298,128</u>	<u>269,995</u>
Income (loss) from operations	4,896	(2,018)	10,876	(15,019)
Interest expense (income), net	(2,938)	597	(2,471)	142
Income (loss) before income taxes	7,834	(2,615)	13,347	(15,161)
Income tax (benefit) expense	613	784	(1,722)	13,266
Net income (loss)	<u>7,221</u>	<u>(3,399)</u>	<u>15,069</u>	<u>(28,427)</u>
Other comprehensive (income) loss:				
Foreign currency translation adjustments, net of tax	(8,955)	5,311	(1,609)	1,580
Unrealized (gain) on investments, net of tax	(24)	(10)	(26)	(20)
Total other comprehensive (income) loss, net of tax	<u>(8,979)</u>	<u>5,301</u>	<u>(1,635)</u>	<u>1,560</u>
Total comprehensive income (loss)	<u>\$ 16,200</u>	<u>\$ (8,700)</u>	<u>\$ 16,704</u>	<u>\$ (29,987)</u>
Net income (loss) per share of Class A and Class B, basic				
	<u>\$ 0.05</u>	<u>\$ (0.02)</u>	<u>\$ 0.10</u>	<u>\$ (0.19)</u>
Net income (loss) per share of Class A and Class B, dilutive				
	<u>\$ 0.04</u>	<u>\$ (0.02)</u>	<u>\$ 0.09</u>	<u>\$ (0.19)</u>

The accompanying notes are an integral part of these condensed consolidated financial statements.

Vertex, Inc. and Subsidiaries
Condensed Consolidated Statements of Changes in Stockholders' Equity
For the three and nine months ended September 30, 2024 and 2023 (unaudited)
(Amounts in thousands)

	Outstanding Class A Shares	Class A Common Stock	Outstanding Class B Shares	Class B Common Stock	Additional Paid In Capital	Retained Earnings (Accumulated Deficit)	Accumulated Other Comprehensive Loss	Total Stockholders' Equity
Balance, January 1, 2024	60,989	\$ 61	92,661	\$ 93	\$ 275,155	\$ (586)	\$ (21,742)	\$ 252,981
Exercise of stock options, net	653	—	—	—	(5,454)	—	—	(5,454)
Shares issued upon vesting of Restricted Stock Units, net	674	1	—	—	(10,899)	—	—	(10,898)
Stock-based compensation expense	—	—	—	—	14,845	—	—	14,845
Foreign currency translation adjustments and revaluations, net of tax	—	—	—	—	—	—	(4,011)	(4,011)
Unrealized loss from available-for-sale investments, net of tax	—	—	—	—	—	—	(17)	(17)
Net income	—	—	—	—	—	2,684	—	2,684
Balance, March 31, 2024	62,316	\$ 62	92,661	\$ 93	273,647	2,098	(25,770)	250,130
Exercise of stock options, net	194	—	—	—	1,734	—	—	1,734
Shares issued upon vesting of Restricted Stock Units, net	32	—	—	—	(432)	—	—	(432)
Shares issued upon vesting of Restricted Stock Awards, net	62	—	—	—	—	—	—	—
Stock-based compensation expense	—	—	—	—	9,924	—	—	9,924
Shares issued under ESPP	61	—	—	—	1,443	—	—	1,443
Class B shares exchanged for Class A shares	2,500	3	(2,500)	(3)	—	—	—	—
Purchase of capped calls, net of tax	—	—	—	—	(31,517)	—	—	(31,517)
Foreign currency translation adjustments and revaluations, net of tax	—	—	—	—	—	—	(3,335)	(3,335)
Unrealized gain from available-for-sale investments, net of tax	—	—	—	—	—	—	19	19
Net income	—	—	—	—	—	5,164	—	5,164
Balance, June 30, 2024	65,165	\$ 65	90,161	\$ 90	\$ 254,799	\$ 7,262	\$ (29,086)	\$ 233,130
Exercise of stock options, net	461	1	—	—	1,386	—	—	1,387
Shares issued upon vesting of Restricted Stock Units, net	74	—	—	—	(1,348)	—	—	(1,348)
Shares issued upon vesting of Restricted Stock Awards, net	22	—	—	—	(290)	—	—	(290)
Stock-based compensation expense	—	—	—	—	9,946	—	—	9,946
Tax impact on capped calls	—	—	—	—	1	—	—	1
Foreign currency translation adjustments and revaluations, net of tax	—	—	—	—	—	—	8,955	8,955
Unrealized gain from available-for-sale investments, net of tax	—	—	—	—	—	—	24	24
Net income	—	—	—	—	—	7,221	—	7,221
Balance, September 30, 2024	65,722	\$ 66	90,161	\$ 90	\$ 264,494	\$ 14,483	\$ (20,107)	\$ 259,026

Vertex, Inc. and Subsidiaries
Condensed Consolidated Statements of Changes in Stockholders' Equity
For the three and nine months ended September 30, 2024 and 2023 (unaudited) (continued)
(Amounts in thousands)

	Outstanding Class A Shares	Class A Common Stock	Outstanding Class B Shares	Class B Common Stock	Additional Paid In Capital	(Accumulated Deficit) Retained Earnings	Accumulated Other Comprehensive Loss	Total Stockholders' Equity
Balance, January 1, 2023	50,014	\$ 50	100,307	\$ 100	\$ 244,820	\$ 12,507	\$ (27,752)	\$ 229,725
Exercise of stock options, net	592	1	—	—	1,279	—	—	1,280
Shares issued upon vesting of Restricted Stock Units, net	391	—	—	—	(3,471)	—	—	(3,471)
Stock-based compensation expense	—	—	—	—	10,938	—	—	10,938
Class B shares exchanged for Class A shares	2,589	2	(2,589)	(2)	—	—	—	—
Foreign currency translation adjustments and revaluations, net of tax	—	—	—	—	—	—	3,122	3,122
Unrealized gain from available-for-sale investments, net of tax	—	—	—	—	—	—	13	13
Net loss	—	—	—	—	—	(18,132)	—	(18,132)
Balance, March 31, 2023	53,586	\$ 53	97,718	\$ 98	\$ 253,566	\$ (5,625)	\$ (24,617)	\$ 223,475
Exercise of stock options, net	259	1	—	—	668	—	—	669
Shares issued upon vesting of Restricted Stock Units, net	22	—	—	—	(221)	—	—	(221)
Shares issued upon vesting of Restricted Stock Awards, net	106	—	—	—	—	—	—	—
Shares issued in connection with ESPP	81	—	—	—	1,178	—	—	1,178
Stock-based compensation expense	—	—	—	—	6,904	—	—	6,904
Foreign currency translation adjustments and revaluations, net of tax	—	—	—	—	—	—	609	609
Unrealized loss from available-for-sale investments, net of tax	—	—	—	—	—	—	(3)	(3)
Net loss	—	—	—	—	—	(6,896)	—	(6,896)
Balance, June 30, 2023	54,054	\$ 54	97,718	\$ 98	\$ 262,095	\$ (12,521)	\$ (24,011)	\$ 225,715
Exercise of stock options, net	744	1	—	—	(3,717)	—	—	(3,716)
Shares issued upon vesting of Restricted Stock Units, net	56	—	—	—	(508)	—	—	(508)
Shares issued upon vesting of Restricted Stock Awards, net	92	—	—	—	(146)	—	—	(146)
Stock-based compensation expense	—	—	—	—	7,527	—	—	7,527
Class B shares exchanged for Class A shares	879	1	(879)	(1)	—	—	—	—
Foreign currency translation adjustments and revaluations, net of tax	—	—	—	—	—	—	(5,311)	(5,311)
Unrealized gain from available-for-sale investments, net of tax	—	—	—	—	—	—	10	10
Net loss	—	—	—	—	—	(3,399)	—	(3,399)
Balance, September 30, 2023	55,825	\$ 56	96,839	\$ 97	\$ 265,251	\$ (15,920)	\$ (29,312)	\$ 220,172

The accompanying notes are an integral part of these condensed consolidated financial statements.

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Vertex, Inc. and Subsidiaries
Condensed Consolidated Statements of Cash Flows
For the nine months ended September 30, 2024 and 2023 (unaudited)
(Amounts in thousands)

	Nine months ended September 30,	
	2024	2023
	(unaudited)	
Cash flows from operating activities:		
Net income (loss)	\$ 15,069	\$ (28,427)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:		
Depreciation and amortization	61,448	52,597
Amortization of cloud computing implementation costs	2,994	1,550
Provision for subscription cancellations and non-renewals	(470)	1,407
Amortization of deferred financing costs	1,345	189
Change in fair value of contingent consideration liabilities	(2,275)	1,349
Change in settlement value of deferred purchase commitment liability	423	—
Write-off of deferred financing costs	276	—
Stock-based compensation expense	36,459	26,228
Deferred income tax benefit	(8,615)	(10,034)
Non-cash operating lease costs	2,038	1,855
Other	(151)	(145)
Changes in operating assets and liabilities:		
Accounts receivable	15,593	(30,760)
Prepaid expenses and other current assets	(10,245)	520
Deferred commissions	(1,302)	(1,632)
Accounts payable	4,535	10,049
Accrued expenses	(851)	9,865
Accrued and deferred compensation	3,032	2,487
Deferred revenue	9,411	(8,977)
Operating lease liabilities	(2,856)	(2,863)
Payments for purchase commitment and contingent consideration liabilities in excess of initial fair value	(4,367)	—
Other	2,197	1,438
Net cash provided by operating activities	<u>123,688</u>	<u>26,696</u>
Cash flows from investing activities:		
Acquisition of businesses and assets, net of cash acquired	(71,755)	—
Property and equipment additions	(47,520)	(35,357)
Capitalized software additions	(16,357)	(14,083)
Purchase of investment securities, available-for-sale	(12,246)	(12,864)
Proceeds from sales and maturities of investment securities, available-for-sale	14,610	16,040
Net cash used in investing activities	<u>(133,268)</u>	<u>(46,264)</u>
Cash flows from financing activities:		
Net increase in customer funds obligations	6,032	16,996
Proceeds from convertible senior notes	345,000	—
Principal payments on long-term debt	(46,875)	(1,563)
Payments on third-party debt	(3,904)	—
Payment for purchase of capped calls	(42,366)	—
Payments for deferred financing costs	(11,374)	—
Proceeds from purchases of stock under ESPP	1,443	1,178
Payments for taxes related to net share settlement of stock-based awards	(19,990)	(9,210)
Proceeds from exercise of stock options	4,689	3,097
Payments for purchase commitment and contingent consideration liabilities	(7,580)	(6,424)
Payments of finance lease liabilities	(70)	(77)
Payments for deferred purchase commitments	—	(10,000)
Net cash provided by (used in) financing activities	<u>225,005</u>	<u>(6,003)</u>
Effect of exchange rate changes on cash, cash equivalents and restricted cash	810	(55)
Net increase (decrease) in cash, cash equivalents and restricted cash	<u>216,235</u>	<u>(25,626)</u>
Cash, cash equivalents and restricted cash, beginning of period	89,151	106,748
Cash, cash equivalents and restricted cash, end of period	<u>\$ 305,386</u>	<u>\$ 81,122</u>
Reconciliation of cash, cash equivalents and restricted cash to the Condensed Consolidated Balance Sheets, end of period:		
Cash and cash equivalents	\$ 278,979	\$ 49,499
Restricted cash—funds held for customers	26,407	31,623
Total cash, cash equivalents and restricted cash, end of period	<u>\$ 305,386</u>	<u>\$ 81,122</u>

The accompanying notes are an integral part of these condensed consolidated financial statements.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited)
(Amounts in thousands, except per share data)

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Business

Vertex, Inc. (“Vertex”) and its consolidated subsidiaries and variable interest entities (“VIE”) (collectively, the “Company”) operate as solutions providers of state, local, and value added tax calculation, compliance, and analytics, offering software products that are sold through software license and software as a service (“cloud”) subscriptions. The Company also provides implementation and training services in connection with its software license and cloud subscriptions, transaction tax returns outsourcing, and other tax-related services. The Company sells to customers located throughout the United States of America (“U.S.”) and internationally.

Basis of Consolidation

The condensed consolidated financial statements are prepared in accordance with accounting principles generally accepted in the U.S. (“U.S. GAAP”) and include the accounts of the Company. All intercompany transactions have been eliminated in consolidation.

On August 30, 2024, the Company completed its acquisition of ecosio GmbH (“ecosio”). Upon its acquisition, ecosio became a wholly owned subsidiary of the Company, and its operations have been included in the Company’s condensed consolidated financial statements commencing on the acquisition date.

Prior to June 5, 2024, the Company owned an 80% controlling equity interest in Systax Sistemas Fiscais LTDA (“Systax”), a provider of Brazilian transaction tax content and software. Systax was determined to be a VIE and the accounts were included in the condensed consolidated financial statements. Vertex did not have full decision-making authority over Systax; however, Vertex was the entity that most significantly participated in the variability of the fair value of Systax’s net assets and was considered the entity most closely associated to Systax. As such, Vertex was deemed the primary beneficiary of Systax and consolidated Systax into its condensed consolidated financial statements. On June 5, 2024, Vertex acquired the remaining 20% equity interest in Systax. Systax is now a wholly owned subsidiary of the Company and is consolidated into the condensed consolidated financial statements.

Unaudited Interim Financial Information

The accompanying unaudited interim condensed consolidated financial statements have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission (the “SEC”) for interim financial information and include the accounts of the Company. Certain information and disclosures normally included in consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted. Accordingly, these interim condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and the related notes for the year ended December 31, 2023 included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2023 (the “2023 Annual Report”) filed with the SEC on February 29, 2024. The condensed consolidated balance sheet as of December 31, 2023 has been derived from audited financial statements included in the 2023 Annual Report. The accompanying interim condensed consolidated balance sheet as of September 30, 2024, the interim condensed consolidated statements of comprehensive income (loss) and changes in stockholders’ equity for the three and nine months ended September 30, 2024 and 2023, and the interim condensed consolidated statements of cash flows for the nine months ended September 30, 2024 and 2023 are unaudited. The unaudited interim condensed consolidated financial statements have been prepared on a basis consistent with that used to prepare the annual audited consolidated financial statements and include, in the opinion of management, all adjustments, consisting of normal and recurring items necessary for the fair presentation of the condensed consolidated financial statements. The operating results for the three and nine months ended September 30, 2024 are not necessarily indicative of the results expected for the full year ending December 31, 2024.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

Segments

The Company operates its business as one operating segment. For the three and nine months ended September 30, 2024, approximately 8% and 7%, respectively, of the Company's revenues were generated from customers located outside the U.S. For both the three and nine months ended September 30, 2023, approximately 7% of the Company's revenues were generated from customers located outside the U.S. As of September 30, 2024 and December 31, 2023, \$654 and \$633, respectively, of the Company's tangible property and equipment assets were held outside the U.S.

Use of Estimates

The preparation of condensed consolidated financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, equity, revenues, and expenses during the reporting period. Significant estimates used in preparing these condensed consolidated financial statements include: (i) the estimated allowance for subscription cancellations; (ii) expected credit losses associated with the allowance for doubtful accounts; (iii) allowance for credit losses on available-for-sale debt securities; (iv) the reserve for self-insurance; (v) assumptions related to achievement of technological feasibility for software developed for sale; (vi) product life cycles; (vii) estimated useful lives and potential impairment of long-lived assets, intangible assets, and capitalized cloud computing arrangement ("CCA") software implementation costs; (viii) potential impairment of goodwill; (ix) determination of the fair value of tangible and intangible assets acquired, liabilities assumed, and consideration transferred in acquisitions; (x) amortization period of deferred commissions; (xi) Black-Scholes-Merton option pricing model ("Black-Scholes model") input assumptions used to determine the fair value of certain stock-based compensation awards and Employee Stock Purchase Plan ("ESPP") purchase rights; (xii) measurement of future purchase commitment, fair value of contingent consideration liabilities related to cash and stock earn-out payments, and deferred purchase consideration liabilities associated with acquisitions; and (xiii) the potential outcome of future tax consequences of events that have been recognized in the condensed consolidated financial statements or tax returns. Actual results may differ from these estimates.

Convertible Senior Notes

The Company accounts for its convertible senior notes (the "Notes") wholly as debt under ASU 2026-06 *Debt—Debt with Conversion and Other Options (Subtopic 470-20)*. Debt issuance costs incurred in connection with the issuance of the Notes are reflected in the condensed consolidated balance sheets as a direct deduction from the carrying amount of the Notes. These costs are amortized on a straight-line basis, which approximates the effective interest method, over the contractual term of the Notes and are included within interest expense (income), net on the condensed consolidated statements of comprehensive income (loss). For further information on the Notes, refer to Note 8, "Debt".

Capped Call Transactions

Capped call transactions cover the aggregate number of shares of the Company's common stock that will initially underlie the Notes. The Company also determined that the capped call option contracts meet the definition of a derivative under ASC Topic 815, "*Derivatives and Hedging*", but are not required to be accounted for as a derivative as they meet the scope exception outlined in the guidance. The Company determined that the freestanding capped call option contracts qualify as equity under the accounting guidance and recognized the contract by recording an entry to "Additional paid-in capital" ("APIC") in stockholders' equity in its condensed consolidated balance sheets. The capped call options are not remeasured.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

Supplemental Balance Sheet Disclosures

Supplemental balance sheet disclosures are as follows for the respective periods:

	<u>As of September 30,</u> <u>2024</u>	<u>As of December 31,</u> <u>2023</u>
	<u>(unaudited)</u>	
Prepaid expenses and other current assets:		
Prepaid expenses	\$ 12,534	\$ 11,558
Unamortized cloud computing implementation costs	3,995	3,995
Prepaid insurance	995	521
Prepaid licenses and support	16,339	10,099
Prepaid expenses and other current assets	<u>\$ 33,863</u>	<u>\$ 26,173</u>
Other assets:		
Unamortized cloud computing implementation costs	\$ 10,866	\$ 12,475
Other assets	2,897	3,538
Total other assets	<u>\$ 13,763</u>	<u>\$ 16,013</u>
Accrued expenses:		
Accrued general expenses	\$ 20,472	\$ 25,998
Accrued contract labor and professional fees	18,344	13,372
Accrued income and other taxes	5,827	5,365
Accrued expenses	<u>\$ 44,643</u>	<u>\$ 44,735</u>

Cloud computing software implementation costs incurred in hosting arrangements are capitalized and reported as a component of prepaid expenses and other current assets, or other assets, once available for their intended use. These costs are amortized using the straight-line method over their respective contract service periods, including periods covered by an option to extend, ranging from two to five years. Amortization expense for capitalized cloud computing implementation costs for the three and nine months ended September 30, 2024 was \$1,005 and \$2,994, respectively, and is included in general and administrative expense in the condensed consolidated statements of comprehensive income (loss.) Amortization expense for capitalized cloud computing implementation costs for the three and nine month periods ended September 30, 2023 was \$919 and \$1,550, respectively, and is included in general and administrative expense in the condensed consolidated statements of comprehensive loss.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

Recently Issued or Adopted Accounting Pronouncements

Segment Reporting

In November 2023, the Financial Accounting Standard Board (“FASB”) issued Accounting Standards Update (“ASU”) 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The amendments in ASU 2023-07 improve reportable segment disclosure requirements through enhanced disclosures. These new requirements include: disclosure of significant segment expenses regularly provided to the CODM, the title and position of the CODM, and the extension of certain annual disclosures to interim periods, permitting the disclosure of multiple measures of segment profit or loss, provided that certain criteria are met. The standard also clarifies that entities with a single reportable segment are subject to new and existing segment reporting requirements. The standard will be effective for annual periods in fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. Entities must adopt the changes to the segment reporting guidance on a retrospective basis. The Company has assessed the potential impacts of the amendments, and has determined that this pronouncement will not have a material effect on its consolidated financial statements, other than the required changes to the segment disclosures.

Income Tax Disclosures

In December 2023, the FASB issued ASU 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ASU 2023-09 requires entities to disclose additional information in specified categories in the reconciliation of the effective tax rate to the statutory rate for federal, state, and foreign income taxes. ASU 2023-09 also requires greater detail about individual reconciling items in the rate reconciliation to the extent the impact of those items exceeds a specified threshold and eliminates certain existing disclosures. In addition to new disclosures associated with the rate reconciliation, the standard requires information pertaining to taxes paid (net of refunds received) to be disaggregated for federal, state, and foreign taxes and further disaggregated for specific jurisdictions to the extent the related amounts exceed a quantitative threshold. The standard will be effective for annual periods in fiscal years beginning after December 15, 2024. The guidance will be applied on a prospective basis with the option to apply the standard retrospectively, and early adoption is permitted. The Company is continuing to assess the potential impacts of the standard, and it does not expect this pronouncement to have a material effect on its condensed consolidated financial statements, other than the required changes to the income tax disclosures.

2. REVENUE RECOGNITION

Disaggregation of revenue

The table reflects revenue by major source for the following periods:

	<u>Three months ended September 30,</u>		<u>Nine months ended September 30,</u>	
	<u>2024</u>	<u>2023</u>	<u>2024</u>	<u>2023</u>
	<u>(unaudited)</u>		<u>(unaudited)</u>	
Software subscriptions:				
Software licenses	\$ 75,273	\$ 66,637	\$ 215,365	\$ 196,070
Cloud subscriptions	70,981	54,648	199,162	154,065
Software subscriptions	<u>146,254</u>	<u>121,285</u>	<u>414,527</u>	<u>350,135</u>
Services	24,181	23,742	73,793	67,338
Total revenues	<u>\$ 170,435</u>	<u>\$ 145,027</u>	<u>\$ 488,320</u>	<u>\$ 417,473</u>

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

Contract balances

Timing of revenue recognition may differ from the timing of invoicing customers. A receivable is recorded in the condensed consolidated balance sheets when customers are billed related to revenue to be collected and recognized for subscription agreements as there is an unconditional right to invoice and receive payment in the future related to these subscriptions. A receivable and related revenue may also be recorded in advance of billings to the extent services have been performed and the Company has a right under the contract to bill and collect for such performance. Subscription-based customers are generally invoiced annually at the beginning of each annual subscription period. Accounts receivable is presented net of an allowance for potentially uncollectible accounts and estimated cancellations of software license and cloud-based subscriptions (the “allowance”) of \$14,273 and \$16,272 at September 30, 2024 and December 31, 2023, respectively. The allowance for potentially uncollectible accounts represents future expected credit losses over the life of the receivables based on past experience, current information and forward-looking economic considerations.

The beginning and ending balances of accounts receivable, net of allowance, are as follows:

	For the nine months ended September 30, 2024 (unaudited)	For the year ended December 31, 2023
Balance, beginning of period	\$ 141,752	\$ 102,885
Balance, end of period	129,908	141,752
Increase (decrease), net	<u>\$ (11,844)</u>	<u>\$ 38,867</u>

A contract liability is recorded as deferred revenue on the condensed consolidated balance sheets when customers are billed in advance of performance obligations being satisfied, and revenue is recognized after invoicing ratably over the subscription period. Deferred revenue is reflected net of a related deferred allowance for subscription cancellations (the

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

“deferred allowance”) of \$10,235 and \$11,741 at September 30, 2024 and December 31, 2023, respectively. The deferred allowance represents the portion of the allowance for subscription cancellations associated with deferred revenue.

The beginning and ending balances of and changes to the allowance and the deferred allowance are as follows:

	For the three months ended September 30,			
	2024		2023	
	Balance	Net Change	Balance	Net Change
	(unaudited)			
Allowance balance, July 1,	\$ (17,704)		\$ (14,218)	
Allowance balance, September 30,	(14,273)		(14,308)	
Change in allowance		\$ (3,431)		\$ 90
Deferred allowance balance, July 1,	12,753		10,409	
Deferred allowance balance, September 30,	10,235		10,472	
Change in deferred allowance		2,518		(63)
Net amount charged to revenues		<u>\$ (913)</u>		<u>\$ 27</u>

	For the nine months ended September 30,			
	2024		2023	
	Balance	Net Change	Balance	Net Change
	(unaudited)			
Allowance balance, January 1,	\$ (16,272)		\$ (9,554)	
Allowance balance, September 30,	(14,273)		(14,308)	
Change in allowance		\$ (1,999)		\$ 4,754
Deferred allowance balance, January 1,	11,741		7,133	
Deferred allowance balance, September 30,	10,235		10,472	
Change in deferred allowance		1,506		(3,339)
Net amount charged to revenues		<u>\$ (493)</u>		<u>\$ 1,415</u>

The portion of deferred revenue expected to be recognized in revenue beyond one year is included in deferred revenue, net of current portion in the condensed consolidated balance sheets. The following table provides information about the balances of and changes to deferred revenue for the following periods:

	For the three months ended September 30,		For the nine months ended September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Changes to deferred revenue:				
Beginning balance	\$ 299,741	\$ 277,053	\$ 292,720	\$ 279,136
Additional amounts deferred	175,106	134,789	500,012	405,152
Revenues recognized	(170,435)	(145,027)	(488,320)	(417,473)
Ending balance	<u>\$ 304,412</u>	<u>\$ 266,815</u>	<u>\$ 304,412</u>	<u>\$ 266,815</u>

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

Contract costs

Deferred sales commissions earned by the Company’s sales force and certain sales incentive programs and vendor referral agreements are considered incremental and recoverable costs of obtaining a contract with a customer. An asset is recognized for these incremental contract costs and reflected as deferred commissions in the condensed consolidated balance sheets. These contract costs are amortized on a straight-line basis over a period consistent with the transfer of the associated product and services to the customer, which is generally three years. Amortization of these costs are included in selling and marketing expense in the condensed consolidated statements of comprehensive income (loss). The Company periodically reviews these contract assets to determine whether events or changes in circumstances have occurred that could impact the period of benefit of these assets. There were no impairment losses recorded for the periods presented.

The changes to contract cost balances as of and for the following periods are:

	<u>For the three months ended September 30,</u>		<u>For the nine months ended September 30,</u>	
	<u>2024</u>	<u>2023</u>	<u>2024</u>	<u>2023</u>
	<i>(unaudited)</i>		<i>(unaudited)</i>	
Deferred commissions:				
Beginning balance	\$ 21,862	\$ 16,726	\$ 21,237	\$ 15,463
Additions	5,024	3,839	13,793	9,437
Amortization	(4,346)	(3,471)	(12,490)	(7,806)
Ending balance	<u>\$ 22,540</u>	<u>\$ 17,094</u>	<u>\$ 22,540</u>	<u>\$ 17,094</u>

3. ACQUISITIONS

ecosio GmbH

On August 30, 2024 (the “Acquisition Date”), the Company purchased 100% of the share interests in ecosio GmbH (“ecosio”), a limited liability company incorporated under the laws of Austria and a provider of electronic data interchange (“EDI”) and e-invoicing services. The acquisition was completed with the goal of integrating ecosio’s cloud-based, scalable global network with the Company’s indirect tax solutions to enable customers to facilitate the creation, exchange, and clearance of jurisdictionally compliant e-invoices and seamlessly reconcile these invoices with their periodic filing requirements. ecosio’s operations and offerings will be integrated into the Company’s one operating segment.

The acquisition was accounted for as a business combination. The purchase price has been allocated based on the latest draft valuations and remains preliminary. As the Company finalizes the fair value of assets acquired and liabilities assumed, additional purchase price adjustments and associated deferred taxes may be recorded during the remaining measurement period. Upon its acquisition, ecosio became a wholly owned subsidiary of the Company, and its operations have been included in the Company’s condensed consolidated financial statements commencing on the Acquisition Date.

Total Purchase Consideration

Total purchase consideration for the ecosio acquisition was \$169,041, net of \$788 cash acquired, which was comprised of the following:

	<u>August 30, 2024</u>
	<i>(unaudited)</i>
Upfront cash consideration	\$ 64,829
Cash and Stock Earn-outs, at fair value	105,000
Total	<u>\$ 169,829</u>

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

The initial cash consideration was \$65,000, adjusted for certain closing adjustments and transaction costs paid on behalf of ecosio. The cash consideration was paid with existing cash on hand.

The contingent consideration liabilities included in the consideration are in the form of cash (the “Cash Earn-out”), with an aggregate of up to \$76,000, and stock, with an aggregate value of up to \$35,000 (the “Stock Earn-out”, together with the Cash Earn-out, the “Earn-outs”), assuming 100% achievement. The Earn-outs will be based upon ecosio’s monthly software revenues meeting specified annual targets over a three-year period. The Cash Earn-out is payable annually and also contains a catch-up mechanism. The Stock Earn-out is payable annually and is settled in shares of the Company’s Class A common stock. The fair value of the Cash and Stock Earn-outs at acquisition was \$71,000 and \$34,000, respectively, and were measured on the Acquisition Date using a Monte Carlo simulation in a risk-neutral framework, calibrated to management’s revenue forecasts. The final payments may be adjusted depending on the actual amount, above or below the targets. The Stock Earn-out is classified as a liability on the condensed consolidated balance sheet in accordance with ASC Topic 815, “*Derivatives and Hedging*”. For further information on the Earn-outs, refer to Note 4, “Financial Instruments and Fair Value Measurements”.

Fair Value of Assets Acquired and Liabilities Assumed

The purchase price was allocated to the net assets acquired based on management’s determination of their estimated fair values using available information as of the Acquisition Date. The excess of purchase consideration over the net assets acquired is recorded as goodwill, which primarily reflects the existence of intangible assets not recognized under U.S. GAAP such as the value of expected future synergies, the value of the assembled workforce and other market factors. The preliminary values recorded, which are reflected in the table below, will be adjusted during the measurement period as more detailed analyses are performed and further information becomes available regarding the fair values of these amounts on the Acquisition Date.

	<u>August 30, 2024</u>	
	<u>(unaudited)</u>	
Cash and cash equivalents	\$	788
Accounts receivable		2,068
Prepaid expenses and other current assets		475
Property and equipment ⁽¹⁾		63,984
Other assets		34
Goodwill ⁽²⁾		123,509
Other intangibles		5,950
Accounts payable		(1,118)
Third-party debt		(3,904)
Accrued expenses		(5,184)
Deferred revenue		(752)
Deferred income tax		(16,021)
Total	\$	<u>169,829</u>

⁽¹⁾ Includes \$63,800 of acquired developed technology.

⁽²⁾ Goodwill associated with the acquisition is not deductible for tax purposes.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

The fair value, valuation methodologies, estimated useful lives, and significant assumptions of the identifiable intangibles acquired in the ecosio acquisition are summarized in the table below:

ecosio Identifiable Intangibles	Balance Sheet Location	August 30, 2024 (unaudited)			
		Fair Value	Valuation Methodology	Estimated Useful Life	Discount Rate
Developed technology	Property and equipment, net	\$ 63,800	Multi-period excess earnings method - income approach	7 years	15.5 %
Trade name	Goodwill and other intangible assets	\$ 1,450	Relief from royalty method - income approach	3 years	15.5 %
Customer relationships	Goodwill and other intangible assets	\$ 4,500	With and without method - income approach	3 years	15.5 %

Third-party experts were engaged to assist in the valuation of identifiable intangible assets and Earn-out payments as part of the acquisition. All estimates, key assumptions, and forecasts were either provided by, or reviewed by the Company. While the Company chose to utilize a third-party valuation specialist for assistance, the fair value analysis and related valuations reflect the conclusions of the Company and not those of any third-party. Any subsequent adjustments to the preliminary values not associated with determination of their fair values on the Acquisition Date will be recorded in the consolidated statements of comprehensive income (loss) in the period in which the adjustment is identified.

Total transaction costs associated with the acquisition were \$720 and \$1,637 for the three and nine months ended September 30, 2024, respectively and are recorded in other operating expense (income), net in the condensed consolidated statements of comprehensive income (loss).

Asset Acquisition

Ryan, LLC Artificial Intelligence Tax Categorization

On May 31, 2024, the Company entered into an asset purchase agreement with Ryan, LLC (“Ryan”) to acquire tax-specific artificial intelligence (“AI”) capabilities, designed to more effectively manage the complexity of tax mapping. The acquisition will accelerate the Company’s AI innovation strategy to help global companies manage tax complexity with greater speed and scale.

The Company paid \$6,075 in closing consideration, which included \$75 in transaction costs. The purchase agreement also includes the potential for earn-out payments and referral fees to Ryan over a five-year period. The earn-out payments will be paid annually in an amount equal to the (a) applicable percentage (ranging from 0% to 35%) multiplied by (b) new sales (excluding new sales to new customers). The referral fees will be paid annually to compensate Ryan for new customers in an amount equal to 35% multiplied by new sales from such new customer. The agreement also contained the assignment and assumption of certain immaterial contracts related to the software.

Following the guidance provided under the FASB Accounting Standards Update No. 2017-01, *Clarifying the Definition of a Business*, the transaction was accounted for as an asset acquisition and the entire consideration was allocated to the asset and recognized as in-process internal-use software within property and equipment on the condensed consolidated balance sheet. Once placed into service, the asset will be reported as internal-use cloud-based customer solutions software, net of accumulated amortization within property and equipment on the condensed consolidated balance sheet, and will amortize over its assigned useful life of 5 years.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

4. FINANCIAL INSTRUMENTS AND FAIR VALUE MEASUREMENTS

Assets and Liabilities Measured at Fair Value on a Recurring Basis

The following table summarizes the Company’s fair value for its financial assets and liabilities measured at fair value on a recurring basis:

	Fair Value	Fair Value Measurements Using		
		Prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs (Level 3)
As of September 30, 2024 (unaudited)				
Money Market Funds	\$ 249,150	\$ 249,150	—	—
Commercial Paper	6,451	—	6,451	—
U.S. Treasury Securities	4,500	—	4,500	—
Tellutax Contingent Consideration	300	—	—	300
ecosio Cash Earn-out	71,000	—	—	71,000
ecosio Stock Earn-out	34,000	—	—	34,000
		Fair Value Measurements Using		
	Fair Value	Prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs (Level 3)
As of December 31, 2023				
Money Market Funds	\$ 53,049	\$ 53,049	—	—
Commercial Paper	7,168	—	7,168	—
U.S. Treasury Securities	3,621	—	3,621	—
Tellutax Contingent Consideration	4,900	—	—	4,900
Foreign Currency Forward Contracts	849	—	849	—

The Company has investments in high quality, short-term money market instruments, which are issued and payable in U.S. dollars (“Money Market Funds”) and included in cash and cash equivalents on the condensed consolidated balance sheets. Fair value inputs for these investments are considered Level 1 measurements within the fair value hierarchy since Money Market Fund fair values are known and observable through daily published floating net asset values. Securities classified as available-for-sale are reported at fair value using Level 2 inputs. The Company has investments in bank and corporate issued commercial paper (“Commercial Paper”) and U.S. treasury securities (“U.S. Treasury Securities”). The Company believes that Level 2 designation is appropriate for Commercial Paper and U.S. Treasury Securities under ASC 820-10, *Fair Value Measurements and Disclosures*, as these securities are fixed income securities, none are exchange-traded and all are priced by correlation to observed market data. For these securities, the Company obtains fair value measurements from an independent pricing service. The fair value measurements consider observable data that may include dealer quotes, market spreads, cash flows, U.S. government and agency yield curves, live trading levels, trade execution data, market consensus prepayment speeds, credit information, and the security’s terms and conditions, among other factors.

In connection with the August 2024 ecosio acquisition, the sellers are entitled to three annual Earn-outs based on ecosio’s achievement of certain monthly software revenue targets measured over an aggregate of 12 months and paid within 90 days after the relevant measurement period. The fair value of the Cash Earn-out and the Stock Earn-out were measured on the Acquisition Date using a Monte Carlo simulation in a risk-neutral framework, calibrated to management’s revenue forecasts. Additional information on the Cash Earn-out and the Stock Earn-out is presented in the following table:

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

Cash Earn-out/ Period (unaudited)	Cash Earn-out At 100% Achievement	Fair value At acquisition
Year 1 - December 1, 2024 - December 1, 2025	\$ 16,000	\$ 16,700
Year 2 - December 1, 2025 - December 1, 2026	25,000	23,200
Year 3 - December 1, 2026 - December 1, 2027	35,000	31,100
Total Cash Earn-out	\$ 76,000	\$ 71,000
Stock Earn-out/ Period (unaudited)	Maximum Payout	Fair value At acquisition
Year 1 - December 1, 2024 - December 1, 2025	\$ 12,000	\$ 12,200
Year 2 - December 1, 2025 - December 1, 2026	12,000	11,400
Year 3 - December 1, 2026 - December 1, 2027	11,000	10,400
Total Stock Earn-out	\$ 35,000	\$ 34,000

Actual payouts are further adjusted depending on ecosio's software revenue attainment for each of the measurement periods. In the event that actual software revenues exceed 100% of the target, additional payments may be made up to a maximum of 122.5% of the annual target. If actual software revenues are below 85% of the target, no payouts are made for that measurement period. The Stock Earn-outs are paid in shares of the Company's Class A common stock.

These Earn-outs represent recurring fair value measurements with significant unobservable inputs, which management considers to be Level 3 measurements under the fair value hierarchy. The final payments may be adjusted depending on the actual amount, above or below the target. Both the Cash Earn-out and the Stock Earn-out are recorded at fair value and are included in purchase commitment and contingent consideration liabilities, net of current portion in the condensed consolidated balance sheets. The Earn-outs will be revalued and adjusted quarterly until the end of the Earn-out period, and any fair value adjustments will be recorded in the other operating expense (income), net line of the condensed consolidated statement of income (loss).

The fair value of the Cash Earn-out and the Stock Earn-out as of September 30, 2024, and unobservable inputs used for the Monte Carlo Simulation valuation are shown in the table below.

Liabilities	September 30, 2024 (unaudited)			
	Fair Value	Valuation Technique	Unobservable Inputs	
ecosio Contingent Consideration - Cash Earn-out	\$ 71,000	Monte Carlo Simulation	Revenue volatility	21.0 %
			Revenue discount rate	7.6 %
			Term (in years)	3.0
ecosio Contingent Consideration - Stock Earn-out	\$ 34,000	Monte Carlo Simulation	Revenue volatility	21.0 %
			Revenue discount rate	7.6 %
			Term (in years)	3.0

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

In connection with the January 2021 Tellutax LLC (“Tellutax”) acquisition, the sellers are entitled to contingent consideration if sales targets are met during a period of time following the acquisition (the “Tellutax Contingent Consideration”). The Tellutax Contingent Consideration is based on three potential earn-out payments determined by periodic revenue achievements over a thirty-month period. Such estimate represents a recurring fair value measurement with significant unobservable inputs, which management considers to be Level 3 measurements under the fair value hierarchy. The significant assumptions used in these calculations included forecasted results and the estimated likelihood for each performance scenario. The fair value of Tellutax Contingent Consideration is estimated using a Monte Carlo Simulation to compute the expected cash flows from the payments specified in the purchase agreement. Such payments have no maximum limit, but if certain targets are not met, there will be no payment for the applicable measurement period.

Fair value adjustments of \$100 and \$(2,275) were recorded in other operating expense (income), net for the three and nine months ended September 30, 2024, respectively. Fair value adjustments of \$900 and \$1,349 were recorded in other operating expense (income), net for the three and nine months ended September 30, 2023, respectively. At September 30, 2024, the Tellutax Contingent Consideration of \$300 is included in purchase commitment and contingent consideration liabilities, current in the condensed consolidated balance sheets. At December 31, 2023, the Tellutax Contingent Consideration of \$2,300 and \$2,600 is included in purchase commitment and contingent consideration liabilities, current, and purchase commitment and contingent consideration liabilities, net of current portion, respectively, in the condensed consolidated balance sheets.

Tellutax Contingent Consideration fair value as of September 30, 2024, and December 31, 2023 and unobservable inputs used for the Monte Carlo Simulation valuation were as follows:

Liabilities	September 30, 2024 (unaudited)		
	Fair Value	Valuation Technique	Unobservable Inputs
Tellutax Contingent Consideration	\$ 300	Monte Carlo Simulation	Revenue volatility 50.0 % Revenue discount rate 20.2 % Term (in years) 0.6

Liability	December 31, 2023		
	Fair Value	Valuation Technique	Unobservable Inputs
Tellutax Contingent Consideration	\$ 4,900	Monte Carlo Simulation	Revenue volatility 60.0 % Revenue discount rate 20.8 % Term (in years) 1.3

Changes in the fair value of the Company’s level 3 liabilities during the nine months ended September 30, 2024, were as follows:

	Tellutax Contingent Consideration (unaudited)	ecosio Contingent Consideration Cash Earn-out (unaudited)	ecosio Contingent Consideration Stock Earn-out (unaudited)
Balance, January 1, 2024	\$ 4,900	\$ —	\$ —
ecosio acquisition (Note 3)	—	71,000	34,000
Fair value adjustments	(2,275)	—	—
Payments	(2,325)	—	—
Balance, September 30, 2024	\$ 300	\$ 71,000	\$ 34,000

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Assets and Liabilities for Which Fair Value is Only Disclosed

The carrying amounts of cash and cash equivalents and the carrying amount of funds held for customers were the same as their respective fair values and are considered Level 1 measurements.

The carrying amount of our bank debt approximates fair value as the variable rates on the debt approximate those commercially available in the market, and is considered a Level 3 measurement.

Non-recurring Fair Value Measurements

The ecosio acquisition on August 30, 2024, the Tellutax acquisition on January 25, 2021 and the Systax acquisition on January 10, 2020 were accounted for as business combinations, and the total purchase price for each acquisition was allocated to the net assets acquired and liabilities assumed based on their estimated fair values.

The Company had a contractual commitment to acquire the remaining equity interest from the original Systax Quotaholders incrementally through 2024. Purchase commitment payments for these incremental acquisition amounts were based on a multiple of Systax revenue and earnings before interest, depreciation, amortization, and income taxes (“EBITDA”) performance at the end of 2023 and 2022. Management determined these future purchase commitments to be a forward contract, resulting in the Company being required to estimate and record an estimated future purchase commitment amount (the “Purchase Commitment Liability”) in connection with recording the initial purchase. The fair value of the Purchase Commitment Liability at the acquisition date was finalized to be \$12,592. This amount has fluctuated as a result of changes in foreign currency exchange rates and is reflected in purchase commitment and contingent consideration liabilities in the condensed consolidated balance sheets, with such changes in exchange rates being reflected in other comprehensive loss or income in the condensed consolidated statements of comprehensive income (loss). Adjustments to the settlement date value that arose as a result of remeasurement at future balance sheet dates were recorded as interest expense related to financing costs in the condensed consolidated statements of comprehensive income (loss) in the period the change is identified. A final adjustment for \$423 to interest expense was recorded during the second quarter of 2024. No such adjustments were recorded for the three or nine months ended September 30, 2023.

During the second quarter of 2024, the Company paid \$9,622, to acquire the remaining 20% equity interest of Systax, which increased the Company’s ownership percentage of Systax to 100%, and settled the outstanding Purchase Commitment Liability. The Purchase Commitment Liability included in purchase commitment and contingent consideration liabilities, current in the condensed consolidated balance sheet on December 31, 2023 was \$9,601. The carrying amount of the Purchase Commitment Liability approximated its respective fair value at December 31, 2023 and is considered a Level 3 non-recurring fair value measurement.

Derivative Instruments

The Company may periodically enter into derivative contracts to reduce our exposure to foreign currency exchange rates. Historically, the Company has not designated derivative contracts as hedges. Such derivative contracts are typically designed to manage specific risks according to our strategies, which may change from time to time.

The Company entered into a series of foreign currency forward contracts to reduce our exposure to adverse fluctuations in the Brazilian Real associated with a portion of the Purchase Commitment Liability. Such forward contracts have not been designated as a hedge, do not qualify for hedge accounting and are not material to our condensed consolidated financial statements. During the second quarter of 2024, the forward currency contracts matured as the Company settled the outstanding Purchase Commitment Liability. These forward contracts are remeasured at fair value on a recurring basis and are included in other assets in our December 31, 2023 condensed consolidated balance sheet with changes in their estimated fair value recognized as interest expense in our condensed consolidated statements of

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comprehensive income (loss). Our fair value determinations are based on foreign currency exchange rates in active markets, which are considered to be Level 2 measurements within the Fair Value Hierarchy.

Convertible Senior Notes

As of September 30, 2024 and December 31, 2023, the fair value of the Notes were \$428,418 and \$0, respectively. The fair value was determined based on the quoted price of the Notes in an over-the-counter market on the last trading day of the reporting period and has been classified as Level 2 in the fair value hierarchy. For further information on the Notes, refer to Note 8, "Debt".

5. PROPERTY AND EQUIPMENT

The major components of property and equipment are as follows:

	<u>As of September 30,</u> <u>2024</u> <u>(unaudited)</u>	<u>As of December 31,</u> <u>2023</u>
Leasehold improvements	\$ 20,673	\$ 20,662
Equipment	21,924	22,012
Computer software purchased	2,499	2,690
Internal-use software developed:		
Cloud-based customer solutions ⁽¹⁾	237,638	142,302
Internal systems and tools	67,623	39,430
Furniture and fixtures	7,891	7,669
In-process internal-use software	23,080	28,883
Property and equipment	<u>381,328</u>	<u>263,648</u>
Less accumulated depreciation and amortization	<u>(202,750)</u>	<u>(162,914)</u>
Property and equipment, net	<u>\$ 178,578</u>	<u>\$ 100,734</u>

(1) Includes \$63,984 related to the ecosio acquisition. For further information see Note 3, "Acquisitions".

Depreciation expense for property and equipment, excluding all internal-use software developed and finance leases, was \$1,004 and \$1,636 for the three months ended September 30, 2024 and 2023, respectively, and \$3,369 and \$5,260 for the nine months ended September 30, 2024 and 2023, respectively, and is reflected in depreciation and amortization in the condensed consolidated statements of comprehensive income (loss).

Finance lease amortization was \$19 and \$70 for the three months ended September 30, 2024 and 2023, respectively, and \$61 and \$586 for the nine months ended September 30, 2024 and 2023, respectively, and is included in depreciation and amortization expense in the condensed consolidated statements of comprehensive income (loss).

Assets under finance leases of \$172 and \$297, net of accumulated amortization of \$78 and \$190, respectively, at September 30, 2024 and December 31, 2023, respectively, are included in property and equipment in the condensed consolidated balance sheets.

The major components of internal-use software developed are as follows:

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	As of September 30, 2024 (unaudited)	As of December 31, 2023
Internal-use software developed	\$ 305,261	\$ 181,732
Less accumulated depreciation	(159,866)	(121,646)
Internal-use software developed, net of accumulated depreciation	145,395	60,086
In-process internal-use software	23,080	28,883
Internal-use software developed, net	<u>\$ 168,475</u>	<u>\$ 88,969</u>

Amounts included in property and equipment additions related to capitalized internal-use software on the condensed consolidated statements of cash flows are as follows:

	For the nine months ended September 30, 2024 (unaudited)		2023
Cloud-based customer solutions	\$ 32,078	\$ 22,170	22,170
Internal systems and tools	14,683	12,095	12,095
Total	<u>\$ 46,761</u>	<u>\$ 34,265</u>	<u>34,265</u>

In-process internal-use software developed is not depreciated until it is available for its intended use. Depreciation expense for internal-use software developed for cloud-based customer solutions for the three months ended September 30, 2024 and 2023 was \$7,909 and \$8,821, respectively, and \$25,685 and \$25,230 for the nine months ended September 30, 2024 and 2023, respectively, and is included in cost of revenues, software subscriptions in the condensed consolidated statements of comprehensive income (loss).

Depreciation expense for internal-use software developed for internal systems and tools for the three months ended September 30, 2024 and 2023 was \$4,191 and \$1,466, respectively, and \$12,002 and \$5,695 for the nine months ended September 30, 2024 and 2023, respectively, and is included in depreciation and amortization in the condensed consolidated statements of comprehensive income (loss).

6. CAPITALIZED SOFTWARE

Capitalized software includes acquired software and direct labor and related expenses for software developed for sale for new products and enhancements to existing products.

The major components of capitalized software are as follows:

	As of September 30, 2024 (unaudited)	As of December 31, 2023
Capitalized software	\$ 134,615	\$ 115,152
Less accumulated amortization	(99,674)	(81,410)
Capitalized software, net of accumulated depreciation	34,941	33,742
In-process capitalized software	1,924	5,029
Capitalized software, net	<u>\$ 36,864</u>	<u>\$ 38,771</u>

Software development costs capitalized for the three months ended September 30, 2024 and 2023, were \$5,260 and \$5,041, respectively, and \$16,357 and \$14,083 for the nine months ended September 30, 2024 and 2023, respectively.

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Capitalized software amortization expense, including amortization of acquired technology, was \$6,236 and \$5,147 for the three months ended September 30, 2024 and 2023, respectively, and \$18,264 and \$13,739 for the nine months ended September 30, 2024 and 2023, respectively, and is included in cost of revenues, software subscriptions in the condensed consolidated statements of comprehensive income (loss).

7. GOODWILL AND OTHER INTANGIBLE ASSETS

Goodwill and other intangible assets are as follows for the periods presented:

	<u>As of September 30,</u> <u>2024</u>	<u>As of December 31,</u> <u>2023</u>
	(unaudited)	
Goodwill	\$ 382,449	\$ 257,842
Other intangible assets, net ⁽¹⁾	6,267	2,396
Total	<u>\$ 388,716</u>	<u>\$ 260,238</u>

⁽¹⁾ Includes \$5,892 of intangible assets, net related to the ecosio acquisition. For further information see Note 3, "Acquisitions".

The changes in the carrying amount of goodwill for the nine months ended September 30, 2024 are as follows:

	<u>As of September 30,</u> <u>2024</u>
	(unaudited)
Balance, January 1	\$ 257,842
ecosio acquisition	123,509
Foreign currency translation adjustments	1,098
Balance, September 30, gross	382,449
Accumulated impairment losses	—
Balance, September 30, net	<u>\$ 382,449</u>

The Company has recognized various amortizable other intangible assets in connection with acquisitions related to customer relationships, technology, and tradenames. The following tables provide additional information for other intangible assets, which are individually not material to the condensed consolidated financial statements, for the periods presented:

	<u>As of September 30,</u> <u>2024</u>	<u>As of December 31,</u> <u>2023</u>
	(unaudited)	
Weighted average amortization period (years)	<u>3.3</u>	<u>3.5</u>
Gross value	\$ 16,662	\$ 10,960
Accumulated amortization	(10,395)	(8,564)
Carrying value	<u>\$ 6,267</u>	<u>\$ 2,396</u>

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The following table presents amortization of other intangible assets:

For the three months ended September 30,	Cost of Revenues, Software Subscriptions	Selling and Marketing Expense	Total Expense
2024	\$ 55	\$ 706	\$ 761
2023	61	596	657

For the nine months ended September 30,	Cost of Revenues, Software Subscriptions	Selling and Marketing Expense	Total Expense
2024	\$ 174	\$ 1,893	2,067
2023	181	2,046	2,227

8. DEBT

Credit Agreement

The Company has a credit agreement (“Credit Agreement”) with a banking syndicate, which provided (i) a term loan in the aggregate amount of \$50,000 (the “Term Loan”); and (ii) a \$200,000 revolving facility (the “Line of Credit”).

On April 19, 2024, the Company entered into the Fourth Amendment to the Credit Agreement (the “Fourth Amendment”) with a banking syndicate, which amended the Credit Agreement, dated as of March 31, 2020, providing for, among other things, amendments of certain definitions.

Indenture and Notes

On April 26, 2024, the Company closed its offering of \$345,000 aggregate principal amount of 0.750% Convertible Senior Notes due 2029 (the “Notes”) to qualified institutional buyers in accordance with Rule 144A under the Securities Act of 1933, as amended. The Notes were issued pursuant to, and are governed by, an indenture (the “Indenture”) between the Company and U.S. Bank Trust Company, National Association, as trustee. The Notes issued on April 26, 2024 include an additional \$45,000 aggregate principal amount of Notes, issued pursuant to the full exercise by the initial purchasers of the Notes of their option to purchase additional Notes.

The Notes are the senior, unsecured obligations of the Company and are (i) ranked equal in right of payment with the Company’s senior unsecured indebtedness, (ii) senior in right of payment to the Company’s indebtedness that is expressly subordinated to the Notes, (iii) effectively subordinated to the Company’s senior secured indebtedness, to the extent of the value of the collateral securing that indebtedness, and (iv) structurally subordinated to all indebtedness and other liabilities, including trade payables, and (to the extent the Company is not a holder thereof) preferred equity, if any, of the Company’s subsidiaries.

The Notes bear interest at a rate of 0.750% per annum on the principal amount thereof, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on November 1, 2024. The Notes will mature on May 1, 2029 (the “maturity date”), unless earlier repurchased, redeemed or converted in accordance with their terms. On November 1, 2028, and thereafter, holders may convert their Notes anytime at their election, until the close of business on the second scheduled trading day immediately before the maturity date. Before November 1, 2028, holders have the right to convert their Notes only upon the occurrence of the following events:

- During any calendar quarter after June 30, 2024 if the closing price of the Company's common stock for at least 20 trading days in a period of 30 consecutive trading days ending on and including the last trading

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day of the preceding calendar quarter is more than 130% of the then applicable conversion price (effectively \$47.21) for the Notes per share of common stock.

- During the five business days immediately after any ten consecutive trading day period in which the trading price per \$1,000 principal amount of Notes, as determined following a request by a holder of Notes, for each day of that period was less than 98% of the product of the closing price of the Company's common stock and the then applicable conversion rate.
- If the Company calls any or all of the Notes for redemption, holders may convert all or any portion of their notes at any time prior to the close of business on the scheduled trading day prior to the redemption date, even if the Notes are not otherwise convertible at such time.
- If specified distributions to holders of the Company's common stock are made or specified corporate events occur.

If a holder converts upon a make-whole fundamental change (as defined in the Indenture) or Company redemption, the holder may be eligible to receive a make-whole premium through an increase to the conversion rate.

Upon conversion, the Company will pay or deliver, as applicable, cash, shares of Class A common stock or a combination of cash and shares of Class A common stock at the Company's election. The initial conversion rate for the Notes is 27.5315 shares of Class A common stock per \$1,000 principal amount of Notes, which represents an initial conversion price of approximately \$36.32 per share of Class A common stock, and is subject to adjustment upon the occurrence of certain specified events as set forth in the Indenture.

The net proceeds from the offering of the Notes were \$333,716, after deducting the initial purchasers' discount and commissions, and other transaction and offering expenses. The Company used \$42,366 of the net proceeds from this offering to fund the cost of the Capped Call Transactions (as defined below) and intends to use the remainder for working capital or other general corporate expenses, which may include capital expenditures, potential acquisitions, and strategic transactions.

Capped Call Transactions

In connection with the pricing of the Notes on April 23, 2024, the Company entered into privately negotiated capped call transactions (the "Base Capped Calls") with certain financial institutions (together, the "Option Counterparties"). In connection with the exercise of the option to purchase the additional Notes in full, the Company entered into additional capped call transactions with the Option Counterparties (together, the "Additional Capped Call Transactions" and, together with the Base Capped Call Transactions, the "Capped Call Transactions").

The cap price of the Capped Call Transactions will initially be \$55.88 per share of Class A common stock, and is subject to certain adjustments under the terms of the Capped Call Transactions. The Capped Call Transactions are expected generally to reduce the potential dilution to the Class A common stock upon any conversion of the Notes and/or to offset any cash payments the Company is required to make in excess of the principal amount of the converted Notes, as the case may be, upon any conversion of the Notes. The Capped Call Transactions cover, subject to anti-dilution adjustments substantially similar to those applicable to the Notes, approximately 12,348 shares of the Company's common stock. The cost of the Capped Call Transactions was \$42,366, which was included in additional paid-in capital, net of tax, in the condensed consolidated balance sheets, with no remeasurement in subsequent periods as it meets the conditions for equity classification.

Term Loan

On May 10, 2024, the Company repaid the outstanding Term Loan balance of \$46,332, which included \$82 of interest. The Term Loan was originally due on March 8, 2027. The Company also wrote off \$276 in deferred financing fees pertaining to the Term Loan.

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The Company's indebtedness at September 30, 2024 and December 31, 2023 was as follows:

	As of September 30, 2024			As of December 31, 2023		
	(unaudited)					
	Principal Amount	Discounts and Deferred Financing Costs	Net Carrying Amount	Principal Amount	Discounts and Deferred Financing Costs	Net Carrying Amount
Term Loan	\$ —	\$ —	\$ —	\$ 2,500	\$ —	\$ 2,500
Current portion of long-term debt	—	—	—	2,500	—	2,500
Term Loan	—	—	—	44,375	(316)	44,059
Debt, net of current portion	—	—	—	44,375	(316)	44,059
Convertible senior notes, non-current	345,000	(10,344)	334,656	—	—	—
Total debt	\$ 345,000	\$ (10,344)	\$ 334,656	\$ 46,875	\$ (316)	\$ 46,559

The Company's interest expense related to the Notes is as follows:

	For the three months ended September 30, 2024		For the nine months ended September 30, 2023	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Contractual interest expense	\$ 677	\$ —	\$ 1,108	\$ —
Amortization of issuance costs	564	—	940	—
Total interest expense, Convertible Senior Notes	\$ 1,241	\$ —	\$ 2,048	\$ —

9. STOCKHOLDERS' EQUITY

Common Stock

During the three months ended September 30, 2024, the Company issued 461 shares of Class A common stock related to the exercise of options, net of 2 shares returned to the Company in lieu of payment of the exercise price and taxes due on these exercises. During this period, the Company also issued 74 shares of Class A common stock in connection with the vesting of Restricted Stock Units ("RSUs"), net of 36 shares returned to the Company in lieu of payment of taxes due on the vesting of these RSUs. During this period, the Company issued 22 shares of Class A common stock in connection with the vesting of Restricted Stock Awards ("RSAs"), net of 7 shares returned to the Company in lieu of payment of taxes due on the vesting of these RSAs.

During the nine months ended September 30, 2024, the Company issued 1,308 shares of Class A common stock related to the exercise of options, net of 268 shares returned to the Company in lieu of payment of the exercise price and taxes due on these exercises. During this period, the Company issued 780 shares of Class A common stock in connection with the vesting of RSUs, net of 467 shares returned to the Company in lieu of payment of taxes due on the vesting of these RSUs. During this period, the Company issued 84 shares of Class A common stock in connection with the vesting of RSAs, net of 7 shares returned to the Company in lieu of payment of taxes due on the vesting of these RSAs. The

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Company also issued 61 shares in connection with the ESPP and a stockholder exchanged 2,500 shares of Class B common stock, for an equivalent number of shares of Class A common stock.

During the three months ended September 30, 2023, the Company issued 744 shares of Class A common stock related to the exercise of options, net of 292 shares returned to the Company in lieu of payment of the exercise price and taxes due on these exercises. During this period, the Company issued 56 shares of Class A common stock in connection with the vesting of RSUs, net of 24 shares returned to the Company in lieu of payment of taxes due on the vesting of these RSUs. During this period, the Company issued 92 shares of Class A common stock in connection with the vesting of RSAs, net of 7 shares, returned to the Company in lieu of payment of taxes due on the vesting of these RSAs, and a stockholder exchanged 879 shares of Class B common stock for an equivalent number of shares of Class A common stock.

During the nine months ended September 30, 2023, the Company issued 1,595 shares of Class A common stock related to the exercise of options, net of 315 shares returned to the Company in lieu of payment of the exercise price and taxes due on these exercises. During this period, the Company issued 469 shares of Class A common stock in connection with the vesting of RSUs, net of 266 shares returned to the Company in lieu of payment of taxes due on the vesting of these RSUs. During this period, the Company issued 198 shares of Class A common stock in connection with the vesting of RSAs, net of 7 shares returned to the Company in lieu of payment of taxes due on the vesting of these RSAs, the Company also issued 81 shares in connection with the ESPP and a stockholder exchanged 3,468 shares of Class B common stock for an equivalent number of shares of Class A common stock.

10. EARNINGS PER SHARE

The Company has two classes of common stock outstanding and thus calculates earnings per share (“EPS”) following the two-class method. This method allocates earnings for the respective periods between the two classes of common stock in proportion to the weighted average shares outstanding for each class of common stock as a percentage of total weighted average shares of both classes of common stock outstanding. Neither the Class A nor Class B common stock has any liquidity or dividend preferences and are both considered to be participating securities.

Basic and diluted net income (loss) per share attributable to common stockholders is calculated using the treasury stock and if-converted methods. The basic net income (loss) per share attributable to Class A common stockholders includes RSAs, RSUs, and ESPP shares once vesting or purchase contingencies are resolved, and the related shares are deemed to be outstanding. The diluted net income (loss) per share attributable to Class A common stockholders is computed by giving effect to all potential dilutive common stock equivalents outstanding for the period. For purposes of this calculation, all options to purchase shares of Class A common stock and nonvested RSAs and RSUs are considered common stock equivalents. The portion of ESPP shares for which the Company has received payments but for which the related shares are not yet issuable are also considered potential common stock equivalents. Additionally, the dilutive effect of shares issuable upon conversion of the Notes is included in the calculation of diluted EPS by application of the if-converted method. In connection with the issuance of the Notes, the Company entered into the Capped Calls Transactions, which are not included for purposes of calculating the number of diluted weighted-average shares outstanding, as their effect would be anti-dilutive. In periods of net loss available to common stockholders diluted calculations are equal to basic calculations because the inclusion of potential common stock equivalents would be anti-dilutive. The Company has excluded from the calculation of diluted EPS the effect of shares of the Company’s Class A common stock to be issued in connection with the Stock Earn-out payable to the sellers of ecosio.

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The tables below illustrate the calculation of basic and diluted net income (loss) per common share for the Class A common stock and Class B common stock for the periods reflected below.

	Three months ended September 30,				Nine months ended September 30,			
	2024		2023		2024		2023	
	Class A	Class B	Class A	Class B	Class A	Class B	Class A	Class B
	(unaudited)				(unaudited)			
Basic net income (loss) per share:								
Numerator								
Allocation of net income (loss) ⁽¹⁾	\$ 3,038	\$ 4,183	\$ (1,228)	\$ (2,171)	\$ 6,197	\$ 8,872	\$ (9,960)	\$ (18,467)
Denominator								
Total shares used in per share computation	65,468	90,161	54,931	97,145	63,742	91,251	53,050	98,361
Basic net income (loss) per share:	\$ 0.05	\$ 0.05	\$ (0.02)	\$ (0.02)	\$ 0.10	\$ 0.10	\$ (0.19)	\$ (0.19)
Diluted net income (loss) per share:								
Numerator								
Allocation of net income (loss) ⁽¹⁾	\$ 3,206	\$ 4,015	\$ (1,228)	\$ (2,171)	\$ 6,549	\$ 8,520	\$ (9,960)	\$ (18,467)
Total net income (loss) used in per diluted computation	\$ 3,206	\$ 4,015	\$ (1,228)	\$ (2,171)	\$ 6,549	\$ 8,520	\$ (9,960)	\$ (18,467)
Denominator								
Number shares used in basic per share computation	65,468	90,161	54,931	97,145	63,742	91,251	53,050	98,361
Dilutive effect of common stock equivalents	6,509	—	—	—	6,394	—	—	—
Total shares used in per share computation ⁽²⁾	71,977	90,161	54,931	97,145	70,136	91,251	53,050	98,361
Dilutive net income (loss) per share:	\$ 0.04	\$ 0.04	\$ (0.02)	\$ (0.02)	\$ 0.09	\$ 0.09	\$ (0.19)	\$ (0.19)

⁽¹⁾ Allocation of net income (loss) is based on the percentages of average shares outstanding.

⁽²⁾ The Notes were issued on April 26, 2024. Proration of shares assumed to be converted from the Notes during the current year periods resulted in anti-dilutive impact to EPS.

The following weighted-average outstanding shares of common stock equivalents by award type were excluded from the computation of diluted net loss per share attributable to Class A stockholders, as the impact of including them would have been anti-dilutive:

	For the three months ended September 30,		For the nine months ended September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Stock Options ⁽¹⁾	—	7,025	—	7,316
Stock Options out-of-the money options	—	307	135	498
RSAs	—	121	—	193
RSUs	—	4,162	—	3,825
ESPP	—	36	—	43
Convertible Senior Notes	8,194	—	5,462	—

⁽¹⁾ Excludes out-of-the-money options.

11. STOCK-BASED AWARD PLANS

The 2020 Incentive Award Plan (the “2020 Plan”) provides the ability to grant cash and equity-based incentive awards to eligible employees, directors and service providers in order to attract, retain and motivate those that make important

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contributions to the Company. The Company issued stock options, RSAs, and RSUs under the 2020 Plan. As of September 30, 2024, 20,857 shares of Class A common stock were available for issuance under the 2020 Plan.

Options

The following table summarizes activity for options outstanding under the 2020 Plan for the nine months ended September 30, 2024:

<u>2020 Plan Option Activity</u>	<u>Units</u>	<u>Weighted Average Exercise Price</u>	<u>Weighted Average Remaining Contractual Life (Years)</u>	<u>Aggregate Intrinsic Value</u>
				(unaudited)
Outstanding at January 1, 2024	5,692	\$ 5.32	4.7	\$ 124,327
Exercised	(1,576)	\$ 3.77		
2020 Plan options outstanding at September 30, 2024	<u>4,116</u>	<u>\$ 5.91</u>	4.4	<u>\$ 134,178</u>
2020 Plan options exercisable at September 30, 2024	<u>3,006</u>	<u>\$ 5.48</u>	3.9	<u>\$ 99,287</u>

The detail of options outstanding, vested, and exercisable under the 2020 Plan as of September 30, 2024 is as follows:

<u>Exercise Prices</u>	<u>Options Outstanding</u>		<u>Options Vested and Exercisable</u>	
	<u>Units</u>	<u>Weighted Average Life (Years)</u>	<u>Units</u>	<u>Weighted Average Life (Years)</u>
				(unaudited)
\$0.15 to \$0.71	725	*	725	*
\$2.50	1,019	1.9	1,019	1.9
\$3.17	217	3.6	217	3.6
\$3.73	1,004	5.1	412	5.0
\$4.70	541	5.4	200	5.4
\$18.47	213	7.2	107	7.2
\$18.96	110	6.9	110	6.9
\$19.00	47	7.0	31	7.0
\$32.16	240	6.4	185	6.4
	<u>4,116</u>		<u>3,006</u>	

*These options have indefinite contractual lives.

The Board of Directors (the "Board") intends all options granted to be exercisable at a price per share not less than the per share fair market value of the Company's Class A common stock underlying the options on the date of grant. Compensation expense for option awards are measured based on the grant date fair value of the awards and recognized in the condensed consolidated statements of comprehensive income (loss) over the period during which the participant is required to perform the requisite services. The vesting period is generally one to four years. The grant date fair value of options is estimated using the Black-Scholes model.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

There were no options issued under the 2020 Plan during the three or nine months ended September 30, 2024 or 2023.

At September 30, 2024, \$1,528 of unrecognized compensation expense associated with options is expected to be recognized over a weighted average period of approximately 0.8 years.

Restricted Stock Units

The following table summarizes RSU activity for the nine months ended September 30, 2024:

	Units		Weighted Average Grant Date Fair Value Per Share
Outstanding at January 1, 2024	4,171	\$	16.11
Granted	1,793		25.73
Vested	(1,247)		16.38
Forfeited	(119)		16.42
Outstanding at September 30, 2024	4,598	\$	19.77

Stock-based compensation cost for RSUs is measured based on the fair value of the Company's underlying common stock on the date of grant and is recognized on a straight-line basis in the condensed consolidated statements of comprehensive income (loss) over the period during which the participant is required to perform services in exchange for the award, which is generally one to four years. Vested RSUs are settled by issuing Class A shares or the equivalent value in cash at the Board's discretion. At September 30, 2024, \$60,882 of unrecognized compensation cost for RSUs is expected to be recognized over a weighted average period of approximately 2.5 years.

Restricted Stock Awards

The following table summarizes RSA activity for the nine months ended September 30, 2024:

	Units		Weighted Average Grant Date Fair Value Per Share
Outstanding at January 1, 2024	91	\$	21.50
Granted	34		35.06
Vested	(91)		21.50
Outstanding at September 30, 2024	34	\$	35.06

Stock-based compensation cost for RSAs is measured based on the fair value of the Company's underlying common stock on the date of grant and is recognized on a straight-line basis in the condensed consolidated statements of comprehensive income (loss) over the period during which the participant is required to perform services in exchange for the award, which is generally one to four years. At September 30, 2024, \$836 of unrecognized compensation cost for RSAs is expected to be recognized over a weighted average period of approximately 0.8 years.

Employee Stock Purchase Plan

The ESPP provides eligible employees with rights during each six-month ESPP offering period to purchase shares of the Company's Class A common stock through payroll deductions of up to a specified percentage of their eligible compensation. The purchase price of the shares, in the absence of a contrary designation, is 85% of the lower of the fair value of the Class A common stock on the first or last day of the ESPP offering period. Amounts withheld from participants

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

are reflected in accrued salaries and benefits in the condensed consolidated balance sheets until such shares are purchased. Amounts withheld from participants for the offering period ending November 30, 2024 aggregated \$1,259 as of September 30, 2024. As of September 30, 2024, 6,390 shares of Class A common stock were available for issuance under the ESPP.

As of September 30, 2024, there was approximately \$175 of unrecognized ESPP stock-based compensation cost expected to be recognized on a straight-line basis over the remaining term of the six-month offering period ending November 30, 2024.

At September 30, 2024 and 2023, there were two ESPP offering periods open that end November 30, 2024 and 2023, respectively. The fair value of ESPP purchase rights for the offering periods is comprised of the value of the 15% ESPP discount and the value associated with the call or put over the respective ESPP offering period. ESPP offering periods reflected in the September 30, 2024 and 2023 financial statements include the periods noted below in the table. The value of the call or put was estimated using the Black-Scholes model with the following assumptions:

	Offering Period Ending	
	11/30/2024	11/30/2023
Fair market value of common stock	\$ 33.26	\$ 21.76
Volatility	41.7 %	39.4 %
Expected term (years)	0.5	0.5
Expected dividend yield	- %	- %
Risk-free interest rate	5.4 %	5.4 %

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

Volatility is representative of expected stock price volatility over the offering period. The Company's volatility is applied to current and future offering periods. The expected term represents the term of the ESPP offering period, which is six months. The Company does not expect to pay dividends. The risk-free interest rate was based on the rate for a U.S. Treasury zero-coupon issue with a term that closely approximates the expected term of the award at the date nearest to the offering term.

Stock-Based Compensation

The Company recognized total stock-based compensation cost related to incentive awards, net of forfeitures, as follows:

	<u>For the three months ended September 30,</u>		<u>For the nine months ended September 30,</u>	
	<u>2024</u>	<u>2023</u>	<u>2024</u>	<u>2023</u>
	<u>(unaudited)</u>		<u>(unaudited)</u>	
Stock-based compensation expense:				
Stock options	\$ 1,219	\$ 1,515	\$ 4,969	\$ 4,788
RSUs	8,305	5,452	29,453	18,762
RSAs	347	598	1,313	2,076
ESPP	263	207	724	602
Total stock-based compensation expense	<u>\$ 10,134</u>	<u>\$ 7,772</u>	<u>\$ 36,459</u>	<u>\$ 26,228</u>

The Company recognized stock-based compensation cost in the condensed consolidated statements of comprehensive income (loss) as follows:

	<u>For the three months ended September 30,</u>		<u>For the nine months ended September 30,</u>	
	<u>2024</u>	<u>2023</u>	<u>2024</u>	<u>2023</u>
	<u>(unaudited)</u>		<u>(unaudited)</u>	
Stock-based compensation expense:				
Cost of revenues, software subscriptions	\$ 894	\$ 728	\$ 3,437	\$ 2,143
Cost of revenues, services	558	452	2,129	1,454
Research and development	2,001	1,398	7,296	4,407
Selling and marketing	2,951	2,325	10,101	6,305
General and administrative	3,730	2,869	13,496	11,919
Total stock-based compensation expense	<u>\$ 10,134</u>	<u>\$ 7,772</u>	<u>\$ 36,459</u>	<u>\$ 26,228</u>

12. COMMITMENTS AND CONTINGENCIES

In January 2022, the Company filed a complaint against a competitor alleging claims of unfair competition, intentional interference with contractual relations, and trade secret misappropriation. The outcome of the case is subject to a number of uncertainties; therefore, the Company has not recognized any potential impact to the condensed consolidated financial statements.

The Company may become involved in various lawsuits and legal proceedings, which arise in the ordinary course of business. However, litigation is subject to inherent uncertainties, and an adverse result in these or other matters may arise from time to time that may harm the Company's business. The Company is not aware of any such legal proceedings or claims that management believes will have a material adverse effect on its business, financial condition, or operating results.

Vertex, Inc. and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited) continued
(Amounts in thousands, except per share data)

13. INCOME TAXES

The Company reported income tax (benefit) expense of \$613 and \$784 for the three months ended September 30, 2024 and 2023, respectively, and \$(1,722) and \$13,266 for the nine months ended September 30, 2024 and 2023, respectively. The effective income tax rate ("ETR") was 7.8% for the three months ended September 30, 2024, compared to (30.0)% for the three months ended September 30, 2023, and (12.9)% for the nine months ended September 30, 2024, compared to (87.5)% for the nine months ended September 30, 2023.

In determining interim provisions for income taxes, the Company uses the annual estimated effective tax rate applied to the actual year-to-date income (loss) adjusted for discrete items arising year-to-date. The Company's effective tax rate differs from the U.S. federal statutory rate of 21% primarily due to state taxes, foreign taxes, limitations on deductions of certain employees' compensation under Internal Revenue Code Section 162(m), tax benefits on the exercises and vesting of stock awards, tax credits, and fluctuations in valuation allowances on certain foreign deferred tax assets.

The income tax expense for the three months ended September 30, 2024 was primarily attributable to taxes in profitable jurisdictions, fluctuations in valuation allowances on certain foreign deferred tax assets, and fluctuations in other permanent adjustments. This income tax expense was partially offset by tax benefits from stock-based awards exercised or vested during the quarter, net of the impact from limitations on deductions of certain employees' compensation, and benefits from tax credits. The income tax benefit for the nine months ended September 30, 2024 was primarily attributable to tax benefits from stock-based awards exercised or vested, net of the impact from limitations on deductions of certain employees' compensation, and tax credits. This income tax benefit was partially offset by taxes in profitable jurisdictions and fluctuations in valuation allowances on certain foreign deferred tax assets. The income tax expense for the three months ended September 30, 2023 was primarily attributable to fluctuations in valuation allowances on certain foreign deferred tax assets and taxes in profitable jurisdictions partially offset by tax benefits from stock-based awards exercised or vested during the quarter, net of the impact from limitations on deductions of certain employees' compensation and benefits from tax credits. The income tax expense for the nine months ended September 30, 2023 was primarily attributable to taxes in profitable jurisdictions, fluctuations in valuation allowances on certain foreign deferred tax assets, and limitations on deductions of certain employees' compensation partially offset by tax benefits from stock-based awards exercised or vested, and benefits from tax credits.

14. SUBSEQUENT EVENTS

On November 4, 2024, the Company entered into a Fifth Amendment to the Credit Agreement (the "Fifth Amendment"), with a banking syndicate, which amended the previous credit agreement entered into in March 2020, providing for, among other modifications, an increase in the Line of Credit commitment from \$200,000 to \$300,000 and an extension of the maturity date to November 4, 2029. For further information on the Credit Agreement refer to Note 8 "Debt".

Item 2. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

You should read the following discussion and analysis of our financial condition and results of operations in conjunction with the condensed consolidated financial statements and the notes thereto included elsewhere in this Quarterly Report on Form 10-Q, as well as our audited consolidated financial statements and related notes as disclosed in our Annual Report on Form 10-K filed with the Securities and Exchange Commission (“SEC”) on February 29, 2024 (the “2023 Annual Report”). In addition to historical financial information, the following discussion contains forward-looking statements that reflect our plans, estimates, beliefs, and expectations that involve risks and uncertainties. Our actual results and the timing of events could differ materially from those discussed in the forward-looking statements. Factors that could cause or contribute to these differences include those discussed below and elsewhere in this Quarterly Report on Form 10-Q, particularly in the section titled “Special Note Regarding Forward-Looking Statements” above, and in Part I, Item 1A of the 2023 Annual Report and as may be subsequently updated by our other SEC filings.

Overview

Vertex is a leading global provider of indirect tax software and solutions. Our mission is to deliver the most trusted tax technology enabling global businesses to transact, comply, and grow with confidence. Vertex provides cloud-based and on-premise solutions that can be tailored to specific industries for every major line of indirect tax, including sales and consumer use, value added, and payroll. Headquartered in North America, and with offices in South America and Europe, Vertex employs over 1,500 professionals and serves companies across the globe.

We derive the majority of our revenue from software subscriptions. These subscriptions include use of our software and ongoing monthly content updates. Our software is offered on a subscription basis to our customers, regardless of their deployment preferences. On-premise subscriptions are typically sold through one-year contracts, and cloud-based subscriptions are typically sold through one- to three-year contracts. We bill the majority of our customers annually in advance of the subscription period.

Our customers include a majority of the Fortune 500, as well as a majority of the top 10 companies by revenue in multiple industries such as retail, technology, and manufacturing, in addition to leading marketplaces. As our customers expand geographically and pursue omnichannel business models, their tax determination and compliance requirements increase and become more complex, providing sustainable organic growth opportunities for our business. Our flexible, tiered transaction-based pricing model also results in our customers growing their spend with us as they grow and continue to use our solutions. We principally price our solutions based on a customer’s revenue base, in addition to a number of other factors.

We employ a hybrid deployment model to align to our customers’ technology preferences for their core financial management software across on-premise, cloud deployments or any combination of these models. Over time, we expect both existing and newly acquired customers to continue to shift towards cloud deployment models. Cloud-based subscription sales to new customers have grown at a faster rate than on-premise software subscription sales, which is a trend that we expect to continue over time. We generated 49% and 45% of software subscription revenue from cloud-based subscriptions during the three months ended September 30, 2024 and 2023, respectively, and 48% and 44% for the nine months ended September 30, 2024 and 2023, respectively. While our on-premise software subscription revenue comprised 51% and 55% of our software subscription revenue during the three months ended September 30, 2024 and 2023, respectively, and 52% and 56% for the nine months ended September 30, 2024 and 2023, respectively, it continues to decrease as a percentage of total software subscriptions revenues as cloud-based subscriptions grow.

We license our solutions primarily through our direct sales force, which focuses on selling to qualified leads provided by our marketing efforts, and through our network of referral partners. We also utilize indirect sales to a lesser extent to efficiently grow and scale our enterprise and mid-market revenues.

Our partner ecosystem is a differentiating, competitive strength in both our software development and our sales and marketing activities. We integrate with key technology partners that span Enterprise Resource Planning (“ERP”), Customer Relationship Management (“CRM”), procurement, billing, Point of Sale (“POS”) and e-commerce. These partners include Adobe/Magento, Coupa, Microsoft Dynamics, NetSuite, Oracle, Salesforce, SAP, SAP Ariba, Shopify,

Workday and Zuora. We also collaborate with numerous accounting firms who have built implementation practices around our software to serve their customer base.

We believe that global commerce and the compliance environment provides durable and accelerating growth opportunities for our business. We generated revenue of \$170.4 million and \$145.0 million for the three months ended September 30, 2024 and 2023, respectively, and \$488.3 and \$417.5 for the nine months ended September 30, 2024 and 2023, respectively. We had net income (loss) of \$7.2 million and \$(3.4) million for the three months ended September 30, 2024 and 2023, respectively, and \$15.1 million and \$(28.4) million for the nine months ended September 30, 2024 and 2023, respectively. These amounts are presented in accordance with United States (“U.S.”) generally accepted accounting principles (“GAAP”).

We define Adjusted EBITDA as net loss or income before interest (including adjustments to the settlement value of deferred purchase commitment liabilities), taxes, depreciation, and amortization, as adjusted to exclude charges for asset impairments, stock-based compensation expense, amortization of cloud computing arrangement implementation costs, severance expense, acquisition contingent consideration, litigation settlements, and transaction costs. Adjusted EBITDA was \$38.6 million and \$26.6 million for the three months ended September 30, 2024 and 2023, respectively and \$113.9 million and \$68.8 million for the nine months ended September 30, 2024 and 2023, respectively. Adjusted EBITDA is a non-GAAP financial measure. Refer to “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Key Business Metrics” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Use and Reconciliation of Non-GAAP Financial Measures” for further discussion of key business metrics and non-GAAP financial measures and their comparison to GAAP financial measures.

We believe that we currently have ample liquidity and capital resources to continue to meet our operating needs, and our ability to continue to service our debt or other financial obligations is not currently impaired. For a further description of our liquidity, see “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Liquidity and Capital Resources.”

Recent Developments

ecosio GmbH Acquisition

On August 30, 2024, we purchased 100% of the share interests in ecosio GmbH (“ecosio”), a limited liability company incorporated under the laws of Austria and a provider of electronic data interchange (“EDI”) and e-invoicing services. The acquisition was completed with the goal of integrating ecosio’s cloud-based, scalable global network with our indirect tax solutions to enable customers to facilitate the creation, exchange, and clearance of jurisdictionally compliant e-invoices and seamlessly reconcile these invoices with their periodic filing requirements. ecosio’s operations and offerings will be integrated into our one operating segment.

Total purchase consideration for the ecosio acquisition was \$169.0 million, net of \$0.8 cash acquired and included contingent consideration liabilities included in the consideration are in the form of cash (the “Cash Earn-out”), with an aggregate of up to \$76.0 million, and stock, with an aggregate value of up to \$35.0 million (the “Stock Earn-out”, together with the Cash-Earnout, the “Earn-outs”), assuming 100% achievement. For further information on the acquisition refer to Note 3, “Acquisitions” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Issuance of Convertible Senior Notes

On April 26, 2024, we closed our offering of \$345.0 million aggregate principal amount of 0.750% Convertible Senior Notes due 2029 (the “Notes”) to qualified institutional buyers in accordance with Rule 144A under the Securities Act of 1933, as amended. The Notes were issued pursuant to, and are governed by, an indenture (the “Indenture”) between the Company and U.S. Bank Trust Company, National Association, as trustee. The Notes issued on April 26, 2024 include an additional \$45.0 million aggregate principal amount of Notes, issued pursuant to the full exercise by the initial purchasers of the Notes of their option to purchase additional Notes.

The net proceeds from the offering of the Notes were \$333.7 million after deducting the initial purchasers’ discount and commissions, and other transaction and offering expenses. We used \$42.4 million of the net proceeds from this offering to fund the cost of the Capped Call Transactions (as defined in Note, 8 “Debt” to our condensed consolidated

financial statements) and intend to use the remainder for working capital or other general corporate expenses, which may include capital expenditures, potential acquisitions, and strategic transactions.

On May 10, 2024, we repaid our outstanding term loan balance of \$46.3 million.

For further information on the Notes or term loan, refer to Note 8, “Debt” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Ryan, LLC Artificial Intelligence Tax Categorization Acquisition

On May 31, 2024, we entered into an asset purchase agreement with Ryan, LLC (“Ryan”) to acquire tax-specific artificial intelligence (“AI”) capabilities, designed to more effectively manage the complexity of tax mapping. The acquisition will accelerate our AI innovation strategy to help global companies manage tax complexity with greater speed and scale. We paid approximately \$6.1 million in closing consideration, which included \$0.1 million in transaction costs. The purchase agreement includes the potential for earn-out payments and referral fees over a five-year period. For further information, refer to Note 5, “Property and Equipment” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Systax Acquisition

During the second quarter of 2024, we paid \$9.6 million to acquire the remaining 20% equity interest of Systax Sistemas Fiscais LTDA (“Systax”), a provider of Brazilian transaction tax content and software. Systax is now a wholly owned subsidiary of Vertex.

Fifth Amendment to the Credit Agreement

On November 4, 2024, we entered into a Fifth Amendment to our Credit Agreement (the “Fifth Amendment”), with a banking syndicate, which amended the previous credit agreement entered into in March 2020, providing for, among other modifications, an increase in the Line of Credit commitment from \$200.0 million to \$300.0 million and an extension of the maturity date to November 4, 2029. For further information, refer to Note 8, “Debt” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Components of Our Results of Operations

Revenue

We generate revenue from software subscriptions and services.

Revenue is recognized upon transfer of control of promised products or services to customers in an amount that reflects the consideration expected to be received in exchange for those products or services. We enter into contracts that include various combinations of products and services, which are generally capable of being distinct and accounted for as separate performance obligations. Revenue is recognized net of allowance for subscription and non-renewal cancellations and any taxes collected from customers that are subsequently remitted to governmental authorities.

Software Subscriptions

Licenses for on-premise software subscriptions, which are generally one year, provide the customer with a right to use the software as it exists when made available to the customer. Customers purchase a subscription to these licenses, which includes the related software and tax content updates and product support. The updates and support, which are part of the subscription agreement, are essential to the continued utility of the software; therefore, we have determined the software and the related updates and support to be a single performance obligation. Accordingly, when on-premise software is licensed, the revenue associated with this combined performance obligation is recognized ratably over the license term as these subscriptions are provided for the duration of the license term. Revenue recognition begins on the later of the beginning of the subscription period or the date the software is made available to the customer to download.

Our cloud-based subscriptions allow customers to use Vertex-hosted software over the contract period without taking possession of the software. The contracts are generally for one to three years and are generally billed annually in advance of the subscription period. Our cloud-based offerings also include related updates and support. Revenue recognition begins on the later of the beginning of the subscription period or the date the customer is provided access to the cloud-based solutions. All services within the cloud-based contracts consistently provide a benefit to the customer during the subscription period; thus, the associated revenue is recognized ratably over the subscription period.

Revenue is impacted by the timing of sales and our customers' growth or contractions resulting in their need to expand or contract their subscription usage, the purchase of new solutions, or the non-renewal of existing solutions. In addition, revenue will fluctuate with the cessation of extended product support fees charged for older versions of our software subscription solutions when they are retired and these fees are no longer charged. Contracts for on-premise licenses permit cancellations at the end of the license term, which is generally one year. Legacy cloud-based subscription contracts for multi-year periods previously provided customers the right to terminate their contract for services prior to the end of the subscription period at a significant penalty. This penalty requires the payment of a percentage of the remaining months of the then-current contract term. Current cloud-based contracts do not contain such termination rights. Terminations of cloud-based subscriptions prior to the end of the subscription term have occurred infrequently, and the impact has been immaterial. The allowance for subscription and non-renewal cancellations reflects an estimate of the amount of such cancellations and non-renewals based on past experience, current information, and forward-looking economic considerations.

Services Revenue

We generate services revenue primarily in support of our customers' needs associated with our software and to enable them to realize the full benefit of our solutions. These software subscription-related services include configuration, data migration and implementation, and premium support and training. In addition, we generate services revenue through our managed services offering which allows customers to outsource all or a portion of their indirect tax operations to us. These services include indirect tax return preparation, filing and tax payment, and notice management. We generally bill for services on a per-transaction or time and materials basis, and we recognize revenue from deliverable-based professional services as services are performed.

Fluctuations in services revenue are directly correlated to fluctuations in our subscription revenues with respect to implementation and training services as we have historically experienced an attachment rate to subscription sales for these services of approximately 60%. In addition, our managed services offering has continued to experience increased revenues associated with returns processing volume increases attributable to regulatory changes, as customers expanded their tax filings into more jurisdictions.

Cost of Revenue

Software Subscriptions

Cost of software subscriptions revenue consists of costs related to providing and supporting our software subscriptions and includes personnel and related expenses, including salaries, benefits, bonuses, and stock-based compensation. In addition, cost of revenue includes direct costs associated with information technology, such as data center and software hosting costs, and tax content maintenance. Cost of software subscriptions revenue also includes amortization associated with direct labor and related expenses for capitalized internal-use software for cloud-based subscription solutions and software developed for sale for new products and enhancements to existing products, and costs associated with the amortization of certain acquired intangible assets. We plan to continue to significantly expand our infrastructure and personnel to support our future growth and increases in transaction volumes of our cloud-based solutions, including through acquisitions. We expect growth in our business will result in an increase in cost of software subscriptions revenue in absolute dollars.

Services

Cost of services revenue consists of direct costs of software subscription-related services and our managed services offering. These costs include personnel and related expenses, including salaries, benefits, bonuses, stock-based compensation, and the cost of third-party contractors and other direct expenses. We plan to continue to expand our

infrastructure and personnel as necessary to support our future growth and related increases in our service revenue. We expect growth in our business will result in an increase in the cost of services revenue in absolute dollars.

Research and Development

Research and development expenses consist primarily of personnel and related expenses for our research and development activities, including salaries, benefits, bonuses and stock-based compensation, and the cost of third-party developers and other contractors. Research and development costs, other than software development expenses qualifying for capitalization, are expensed as incurred.

We devote substantial resources to developing new products and enhancing existing products, conducting quality assurance testing, improving our core technology, and integrating acquired technology with our products. We believe continued investments in research and development are critical to attain our strategic objectives and expect research and development costs to increase in absolute dollars. These investments include enhancing our solution offerings to address changing customer needs to support their growth, as well as implementing changes required to keep pace with our partners' technology to ensure the continued ability of our solutions to work together and deliver value to our customers. The market for our solutions is characterized by rapid technological change, frequent new product and service introductions and enhancements, changing customer demands, and evolving industry standards. As a result, although we are making significant research and development expenditures, certain of which may be capitalized, there is no guarantee these solutions will be accepted by the market. This could result in increased costs or an impairment of capitalized development costs with no resulting future revenue benefit.

Selling and Marketing Expenses

Selling expenses consist primarily of personnel and related expenses in support of sales and marketing efforts. These costs include salaries, benefits, bonuses and stock-based compensation. In addition, selling expense includes costs related to advertising and promotion efforts, branding costs, partner-based commissions, costs associated with our annual customer conferences and amortization of certain acquired intangible assets. We intend to continue to invest in our sales and marketing capabilities in the future to continue to increase our brand awareness and expect these costs to increase on an absolute dollar basis as we grow our business and continue to expand our market and partner ecosystem penetration. Sales and marketing expense in absolute dollars and as a percentage of total revenue may fluctuate from period-to-period based on total revenue levels and the timing of our investments in our sales and marketing functions, as these investments will occur in advance of experiencing the benefits from such investments and may vary in scope and scale over future periods.

General and Administrative

General and administrative expenses consist primarily of personnel and related expenses for administrative, finance, information technology, legal, risk management, facilities, and human resources staffing, including salaries, benefits, bonuses, severance, stock-based compensation, professional fees, insurance premiums, facility costs, amortization of cloud computing arrangement implementation costs related to our ERP modernization initiative, and other internal support and infrastructure costs.

We expect our general and administrative expenses to increase in absolute dollars as we continue to expand our operations, hire additional personnel, integrate current and future acquisitions, and incur additional costs associated with being a publicly-listed company, including costs related to compliance with Section 404(b) of the Sarbanes-Oxley Act of 2002 beginning in 2023, as well as the additional requirements resulting from the Company's loss of emerging growth company status.

Depreciation and Amortization

Depreciation and amortization expense consists of the allocation of purchased and developed asset costs over the future periods benefitted by the use of these assets. These assets include leasehold improvements for our facilities, computers and equipment needed to support our customers and our internal infrastructure and capitalized internal-use software associated with our internal tools. Depreciation and amortization will fluctuate in correlation with our ongoing investment in internal infrastructure costs to support our growth.

Other Operating Expense (Income), net

Other operating expense (income), net consists primarily of transactions costs associated with merger and acquisition activities, periodic remeasurement of contingent consideration associated with completed acquisitions, realized gains and losses on foreign currency changes, and other operating gains and losses. These amounts will fluctuate as a result of ongoing merger and acquisition activities and for changes in foreign currency rates.

Interest Expense (Income), net

Interest expense (income), net reflects the net amount of our interest expense and interest income within the same period.

Interest expense consists primarily of interest incurred related to borrowings, the Notes, bank credit facility and leases. Interest expense includes amortization of deferred financing fees over the term of the credit facility or write-downs of such costs upon redemption of debt. Interest expense will vary as a result of fluctuations in the level of debt outstanding as well as interest rates on such debt. In addition, interest expense will include adjustments to the fair value of contracts that may be entered into to hedge risks associated with currency fluctuations for cash receipts or cash payments denominated in currencies other than U.S. dollars and which do not qualify for hedge accounting, as well as changes in the settlement value of the future payment obligation for the Systax Sistemas Fiscais Limited (“Systax”) acquisition, which was fully settled on June 5, 2024.

Interest income reflects earnings on investments of our cash on hand and our investment securities. Interest income will vary as a result of fluctuations in the future level of funds available for investment and the rate of return available in the market on such funds.

Income Tax Expense (Benefit)

Income tax expense (benefit) consists primarily of federal, foreign, state, and local taxes on our loss or income. In determining our annualized effective income tax rates, net deferred tax assets, valuation allowances, and cash paid for income taxes, we are required to make judgments and estimates about domestic and foreign profitability, the timing and usage of net operating loss and credit carryforwards, applicable tax rates, and transfer pricing methodologies. Judgments and estimates related to our projections and assumptions are inherently uncertain; therefore, actual results could materially differ from our projections.

Results of Operations

You should read the following discussion and analysis of our financial condition and results of operations in conjunction with our condensed consolidated financial statements and the notes thereto included elsewhere in this Quarterly Report on Form 10-Q, and our consolidated financial statements and the notes thereto included in our 2023 Annual Report. The period-to-period comparison of financial results is not necessarily indicative of financial results to be achieved in future periods. The following table sets forth our condensed consolidated statements of comprehensive income (loss) for the periods indicated.

(Dollars in thousands)	For the three months ended				For the nine months ended			
	September 30,		Period-Over-Period Change		September 30,		Period-Over-Period Change	
	2024	2023			2024	2023		
	(unaudited)				(unaudited)			
Revenues:								
Software subscriptions	\$ 146,254	\$ 121,285	\$ 24,969	20.6 %	\$ 414,527	\$ 350,135	\$ 64,392	18.4 %
Services	24,181	23,742	439	1.8 %	73,793	67,338	6,455	9.6 %
Total revenues	170,435	145,027	25,408	17.5 %	488,320	417,473	70,847	17.0 %
Cost of revenues:								
Software subscriptions ⁽¹⁾	43,641	41,055	2,586	6.3 %	131,030	116,974	14,056	12.0 %
Services ⁽¹⁾	16,270	15,816	454	2.9 %	48,286	45,523	2,763	6.1 %
Total cost of revenues	59,911	56,871	3,040	5.3 %	179,316	162,497	16,819	10.4 %
Gross profit	110,524	88,156	22,368	25.4 %	309,004	254,976	54,028	21.2 %
Operating expenses:								
Research and development ⁽¹⁾	15,621	16,772	(1,151)	(6.9)%	47,080	45,314	1,766	3.9 %
Selling and marketing ⁽¹⁾	42,111	33,919	8,192	24.2 %	123,143	103,196	19,947	19.3 %
General and administrative ⁽¹⁾	41,499	35,385	6,114	17.3 %	112,915	109,071	3,844	3.5 %
Depreciation and amortization	5,214	3,782	1,432	37.9 %	15,432	11,401	4,031	35.4 %
Other operating expense (income), net	1,183	316	867	* %	(442)	1,013	(1,455)	* %
Total operating expenses	105,628	90,174	15,454	17.1 %	298,128	269,995	28,133	10.4 %
Income (loss) from operations	4,896	(2,018)	6,914	(342.6)%	10,876	(15,019)	25,895	(172.4)%
Other (income) expense:								
Interest expense (income), net	(2,938)	597	(3,535)	* %	(2,471)	142	(2,613)	* %
Income (loss) before income taxes	7,834	(2,615)	10,449	(399.6)%	13,347	(15,161)	28,508	(188.0)%
Income tax (benefit) expense	613	784	(171)	* %	(1,722)	13,266	(14,988)	* %
Net income (loss)	7,221	(3,399)	10,620	(312.4)%	15,069	(28,427)	43,496	(153.0)%
Other comprehensive (income) loss:								
Foreign currency translation adjustments, net of tax	(8,955)	5,311	(14,266)	(268.6)%	(1,609)	1,580	(3,189)	(201.8)%
Unrealized (gain) on investments, net of tax	(24)	(10)	(14)	* %	(26)	(20)	(6)	* %
Total other comprehensive (income) loss, net of tax	(8,979)	5,301	(14,280)	* %	(1,635)	1,560	(3,195)	* %
Total comprehensive income (loss)	\$ 16,200	\$ (8,700)	\$ 24,900	(286.2)%	\$ 16,704	\$ (29,987)	\$ 46,691	(155.7)%

⁽¹⁾ Includes stock-based compensation expenses as follows in the table below.

* Percentage change not meaningful.

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(Dollars in thousands)	For the three months ended		For the nine months ended	
	September 30,		September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Stock-based compensation expense:				
Cost of revenues, software subscriptions	\$ 894	\$ 728	\$ 3,437	\$ 2,143
Cost of revenues, services	558	452	2,129	1,454
Research and development	2,001	1,398	7,296	4,407
Selling and marketing	2,951	2,325	10,101	6,305
General and administrative	3,730	2,869	13,496	11,919
Total stock-based compensation expense	<u>\$ 10,134</u>	<u>\$ 7,772</u>	<u>\$ 36,459</u>	<u>\$ 26,228</u>

The following table sets forth our results of operations as a percentage of our total revenues for the periods presented.

	For the three months ended September 30,		For the nine months ended September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Revenues:				
Software subscriptions	85.8 %	83.6 %	84.9 %	83.9 %
Services	14.2 %	16.4 %	15.1 %	16.1 %
Total revenues	<u>100.0 %</u>	<u>100.0 %</u>	<u>100.0 %</u>	<u>100.0 %</u>
Cost of revenues:				
Software subscriptions	25.6 %	28.3 %	26.8 %	28.0 %
Services	9.5 %	10.9 %	9.9 %	10.9 %
Total cost of revenues	<u>35.1 %</u>	<u>39.2 %</u>	<u>36.7 %</u>	<u>38.9 %</u>
Gross profit	<u>64.9 %</u>	<u>60.8 %</u>	<u>63.3 %</u>	<u>61.1 %</u>
Operating expenses:				
Research and development	9.2 %	11.6 %	9.6 %	10.9 %
Selling and marketing	24.7 %	23.4 %	25.2 %	24.7 %
General and administrative	24.3 %	24.4 %	23.1 %	26.1 %
Depreciation and amortization	3.1 %	2.6 %	3.2 %	2.7 %
Other operating expense (income), net	0.7 %	0.2 %	(0.1)%	0.2 %
Total operating expenses	<u>62.0 %</u>	<u>62.2 %</u>	<u>61.0 %</u>	<u>64.6 %</u>
Income (loss) from operations	2.9 %	(1.4)%	2.3 %	(3.5)%
Interest expense (income), net	(1.7)%	0.4 %	(0.5)%	— %
Income (loss) before income taxes	4.6 %	(1.8)%	2.8 %	(3.5)%
Income tax (benefit) expense	0.4 %	0.5 %	(0.4)%	3.2 %
Net income (loss)	4.2 %	(2.3)%	3.2 %	(6.7)%
Other comprehensive (income) loss:				
Foreign currency translation adjustments, net of tax	(5.3)%	3.7 %	(0.3)%	0.4 %
Unrealized gain on investments, net of tax	— %	— %	— %	— %
Total other comprehensive (income) loss, net of tax	<u>(5.3)%</u>	<u>3.7 %</u>	<u>(0.3)%</u>	<u>0.4 %</u>
Total comprehensive income (loss)	<u>9.5 %</u>	<u>(6.0)%</u>	<u>3.5 %</u>	<u>(7.1)%</u>

Three Months Ended September 30, 2024 Compared to Three Months Ended September 30, 2023

Revenues

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
	(unaudited)			
Revenues:				
Software subscriptions	\$ 146,254	\$ 121,285	\$ 24,969	20.6 %
Services	24,181	23,742	439	1.8 %
Total revenues	<u>\$ 170,435</u>	<u>\$ 145,027</u>	<u>\$ 25,408</u>	17.5 %

Revenues increased \$25.4 million, or 17.5%, to \$170.4 million for the three months ended September 30, 2024 compared to \$145.0 million for the same period in 2023. The increase in software subscriptions revenues of \$25.0 million, or 20.6%, was primarily driven by increases from our existing customers through cross selling new products, and to a lesser extent, increases due to expanded use and price increases. Software subscriptions revenues derived from new customers averaged 6.0% and 6.5% of total software subscriptions revenues in the three months ended September 30, 2024 and 2023, respectively.

The \$0.4 million increase in services revenues was primarily driven by a \$1.9 million increase in recurring services revenues due to returns processing volume increases related to customer business growth and regulatory changes as customers expanded their tax filings into more jurisdictions, as well as an increase in interest received from our funds held for customers. These increases were partially offset by a \$1.5 million decrease in service revenues primarily from the impact of our previously discussed effort to steer more implementation opportunities to our channel partners, who are an important referral source for new software opportunities.

Cost of Software Subscriptions Revenues

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
Cost of software subscriptions revenues	\$ 43,641	\$ 41,055	\$ 2,586	6.3 %

Cost of software subscriptions revenues increased \$2.6 million, or 6.3%, to \$43.6 million for the three months ended September 30, 2024 compared to \$41.1 million for the same period in 2023. The increase in cost of software subscriptions revenues was primarily driven by a \$2.4 million increase in costs of personnel supporting period-over-period growth of sales and customers, ongoing infrastructure investments and support costs to enable the continued expansion of customer transaction volumes for our cloud-based subscription customers.

Cost of Services Revenues

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
Cost of services revenues	\$ 16,270	\$ 15,816	\$ 454	2.9 %

Cost of services revenues increased \$0.5 million, or 2.9%, to \$16.3 million for the three months ended September 30, 2024, compared to \$15.8 million for the same period in 2023. The increase in cost of services revenues was primarily due to an increase in costs of service delivery personnel to support revenue growth in software subscription-related services and our managed services offering.

Research and Development

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
Research and development	\$ 15,621	\$ 16,772	\$ (1,151)	(6.9)%

Research and development expenses decreased \$1.2 million, or (6.9)%, to \$15.6 million for the three months ended September 30, 2024 compared to \$16.8 million for the same period in 2023. The decrease in research and development expenses is due to an increase in capitalized costs over the prior year related to development work associated with new solutions to address end-to-end data analysis and compliance needs of our customers, and continued expansion of connectors and application program interfaces (“APIs”) to customer ERP and other software platforms.

Selling and Marketing

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
Selling and marketing	\$ 42,111	\$ 33,919	\$ 8,192	24.2 %

Selling and marketing expenses increased \$8.2 million, or 24.2%, to \$42.1 million for the three months ended September 30, 2024 compared to \$33.9 million for the same period in 2023. This increase was primarily driven by a \$4.6 million increase in payroll and related expenses associated with the growth in period-over-period subscription sales and services revenues and expansion of our partner and channel management programs. Additionally, there was an increase of \$3.6 million in advertising and promotional spending related to expanded brand awareness efforts.

General and Administrative

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
General and administrative	\$ 41,499	\$ 35,385	\$ 6,114	17.3 %

General and administrative expenses increased \$6.1 million, or 17.3%, to \$41.5 million for the three months ended September 30, 2024 compared to \$35.4 million for the same period in 2023, primarily driven by a \$5.3 million increase in planned strategic investments in information technology infrastructure, business process re-engineering and other initiatives to drive future operating leverage, as well as investments in employees, systems and other resources in support of our growth. Additionally, there was a \$0.9 million increase in stock-based compensation expense over the prior year.

Depreciation and Amortization

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period change	
	2024	2023		
Depreciation and amortization	\$ 5,214	\$ 3,782	\$ 1,432	37.9 %

Depreciation and amortization increased \$1.4 million, or 37.9%, to \$5.2 million for the three months ended September 30, 2024 compared to \$3.8 million for the same period in 2023. The increase was primarily due to the impact of infrastructure and technology purchases and other capitalized costs to support our growth.

Other Operating Expense (Income), Net

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
Other operating expense (income), net	\$ 1,183	\$ 316	\$ 867	274.4 %

Other operating expense (income), net increased to expense of \$1.2 million, net for the three months ended September 30, 2024 compared to expense of \$0.3 million, net for the same period in 2023. The increase in expense was primarily driven by foreign currency transaction losses incurred.

Interest Expense (Income), Net

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
Interest expense (income), net	\$ (2,938)	\$ 597	\$ (3,535)	(592.1)%

Interest expense (income), net increased to income of \$2.9 million for the three months ended September 30, 2024, compared to an expense of \$0.6 million for the same period in 2023. This change was mainly due to several factors: a \$3.8 million increase in interest income primarily due to increased dollars invested during the period, a reduction of \$0.8 million of interest expense related to the term loan repayment, and \$0.2 million related to the valuation of our prior year foreign currency forward contracts due to market fluctuations. These interest income increases were partially offset by \$0.7 million of interest expense and a \$0.6 million increase in deferred financing costs related to the convertible debt issuance.

Income Tax Expense

(Dollars in thousands)	For the three months ended September 30,		Period-Over-Period Change	
	2024	2023		
Income tax expense	\$ 613	\$ 784	\$ (171)	(21.8)%

Income tax expense was \$0.6 million and \$0.8 million for the three months ended September 30, 2024 and 2023, respectively. The change in tax expense was primarily driven by fluctuations in valuation allowances on certain foreign deferred tax assets, tax benefits from stock-based awards exercised or vested during the quarter, net of the impact from limitations on deductions of certain employees' compensation, and benefits from tax credits partially offset by changes in taxes in profitable jurisdictions.

Nine Months Ended September 30, 2024 Compared to Nine Months Ended September 30, 2023

Revenues

(Dollars in thousands)	For the nine months ended September 30,		Year-Over-Year Change	
	2024	2023		
(unaudited)				
Revenues:				
Software subscriptions	\$ 414,527	\$ 350,135	\$ 64,392	18.4 %
Services	73,793	67,338	6,455	9.6 %
Total revenues	\$ 488,320	\$ 417,473	\$ 70,847	17.0 %

Revenues increased \$70.8 million, or 17.0%, to \$488.3 million for the nine months ended September 30, 2024 compared to \$417.5 million for the same period in 2023. The increase in software subscriptions revenues of \$64.4 million, or 18.4%, was primarily driven by increases from our existing customers through cross selling new products, and to a lesser extent, increases due to expanded use and price increases. Software subscriptions revenues derived from new customers averaged 5.8% and 6.5% of total software subscriptions revenues in the nine months ended September 30, 2024 and 2023, respectively.

The \$6.5 million increase in services revenues was primarily driven by an increase of \$3.1 million in software subscription-related services associated with the growth in subscription revenues, which includes new customers implementing our solutions and existing customers upgrading to newer versions of our solutions. In addition, our managed services offering experienced a \$3.3 million increase driven by an increase in recurring services revenues over the prior year due to returns processing volume increases related to customer business growth and regulatory changes as customers expanded their tax filings into more jurisdictions, as well as an increase in interest received from our funds held for customers.

Cost of Software Subscriptions Revenues

(Dollars in thousands)	For the nine months ended		Year-Over-Year Change	
	September 30,			
	2024	2023		
Cost of software subscriptions revenues	\$ 131,030	\$ 116,974	\$ 14,056	12.0 %

Cost of software subscriptions revenues increased \$14.1 million, or 12.0%, to \$131.0 million for the nine months ended September 30, 2024 compared to \$117.0 million for the same period in 2023. The increase in cost of software subscriptions revenues was primarily driven by a \$9.1 million increase in costs of personnel supporting period-over-period growth of sales and customers, ongoing infrastructure investments and support costs to enable the continued expansion of customer transaction volumes for our cloud-based subscription customers. In addition, the increase in cost of software subscriptions revenues included an increase in depreciation and amortization of \$5.0 million associated with our ongoing investments in internal-use software for cloud-based subscription solutions, software developed for sale for new products and enhancements to existing products, and costs associated with the amortization of acquired intangible assets.

Cost of Services Revenues

(Dollars in thousands)	For the nine months ended		Year-Over-Year Change	
	September 30,			
	2024	2023		
Cost of services revenues	\$ 48,286	\$ 45,523	\$ 2,763	6.1 %

Cost of services revenues increased \$2.8 million, or 6.1%, to \$48.3 million for the nine months ended September 30, 2024, compared to \$45.5 million for the same period in 2023. The increase in cost of services revenues was primarily due to an increase in costs of service delivery personnel to support revenue growth in software subscription-related services and our managed services offering.

Research and Development

(Dollars in thousands)	For the nine months ended		Year-Over-Year Change	
	September 30,			
	2024	2023		
Research and development	\$ 47,080	\$ 45,314	\$ 1,766	3.9 %

Research and development expenses increased \$1.8 million, or 3.9%, to \$47.1 million for the nine months ended September 30, 2024 compared to \$45.3 million for the same period in 2023. The increase in research and development expenses is due primarily to an increase in personnel costs related to development work associated with new solutions to address end-to-end data analysis and compliance needs of our customers, and continued expansion of connectors and APIs to customer ERP and other software platforms. Research and development expense excludes those costs that have been capitalized for solutions that have met our capitalization policy.

Selling and Marketing

(Dollars in thousands)	For the nine months ended		Year-Over-Year Change	
	September 30,			
	2024	2023		
Selling and marketing	\$ 123,143	\$ 103,196	\$ 19,947	19.3 %

Selling and marketing expenses increased \$19.9 million, or 19.3%, to \$123.1 million for the nine months ended September 30, 2024 compared to \$103.2 million for the same period in 2023. This increase was primarily driven by a \$14.6 million increase in payroll and related expenses associated with the growth in period-over-period subscription sales and services revenues and expansion of our partner and channel management programs. Additionally, there was an increase of \$4.8 million in advertising and promotional spending related to expanded brand awareness efforts.

General and Administrative

(Dollars in thousands)	For the nine months ended		Year-Over-Year Change	
	September 30,			
	2024	2023		
General and administrative	\$ 112,915	\$ 109,071	\$ 3,844	3.5 %

General and administrative expenses increased \$3.8 million, or 3.5%, to \$112.9 million for the nine months ended September 30, 2024 compared to \$109.1 million for the same period in 2023, driven by a \$0.8 million increase in planned strategic investments in information technology infrastructure, business process reengineering and other initiatives to drive future operating leverage, as well as investments in employees, systems and other resources in support of our growth.

Additionally, there was an increase of \$1.4 million for the amortization of capitalized cloud computing implementation costs related to our ERP modernization initiative. Finally, there was a \$1.8 million increase in stock-based compensation expense over the prior year.

Depreciation and Amortization

(Dollars in thousands)	For the nine months ended September 30,		Year-Over-Year Change
	2024	2023	
Depreciation and amortization	\$ 15,432	\$ 11,401	\$ 4,031 35.4 %

Depreciation and amortization increased \$4.0 million, or 35.4%, to \$15.4 million for the nine months ended September 30, 2024 compared to \$11.4 million for the same period in 2023. The increase was primarily due to the impact of infrastructure and technology purchases and other capitalized costs to support our growth.

Other Operating Expense (Income), Net

(Dollars in thousands)	For the nine months ended September 30,		Year-Over-Year Change
	2024	2023	
Other operating expense (income), net	\$ (442)	\$ 1,013	\$ (1,455) (143.6)%

Other operating expense (income), net increased to income of \$0.4 million, net for the nine months ended September 30, 2024 compared to expense of \$1.0 million, net for the same period in 2023. The decrease in expense was primarily driven by a decrease in the contingent consideration liability for the Tellutax LLC acquisition.

Interest Expense (Income), Net

(Dollars in thousands)	For the nine months ended September 30,		Year-Over-Year Change
	2024	2023	
Interest expense (income), net	\$ (2,471)	\$ 142	\$ (2,613) (1,840.1)%

Interest expense (income), net increased to income of \$2.5 million for the nine months ended September 30, 2024, compared to interest expense of \$0.1 million for the same period in 2023. The change was primarily due to a \$5.0 million increase in interest income due to increased dollars invested during the period and a reduction of \$1.2 million of interest expense related to the term loan repayment. This was partially offset by a \$0.6 million decrease in the valuation of our foreign currency forward contracts due to market fluctuations, a \$1.6 million increase in interest expense and \$1.4 million increase in deferred financing costs related to the convertible debt issuance.

Income Tax (Benefit) Expense

(Dollars in thousands)	For the nine months ended September 30,		Year-Over-Year Change
	2024	2023	
Income tax (benefit) expense	\$ (1,722)	\$ 13,266	\$ (14,988) (113.0)%

Income tax (benefit) expense was \$(1.7) million and \$13.3 million for the nine months ended September 30, 2024 and 2023, respectively. The change in tax (benefit) expense was primarily driven by tax benefits on exercises and vesting of stock awards, net of limitations on deductions of certain employees' compensation, changes in jurisdictional income or loss allocation, fluctuations in valuation allowances on certain foreign deferred tax assets, and changes in benefits of tax credits.

Liquidity and Capital Resources

As of September 30, 2024, we had unrestricted cash and cash equivalents of \$279.0 million and retained earnings of \$14.5 million. In addition, we had \$7.5 million in investment securities with a maturity date exceeding three months as of September 30, 2024, not included in unrestricted cash and cash equivalents. Our primary sources of capital include sales of our solutions, proceeds from bank lending facilities, and the offering of existing or future classes of stock.

As of September 30, 2024, we had a credit agreement with a banking syndicate (the “Credit Agreement”) that provides a \$200.0 million revolving facility (the “Line of Credit”).

On April 26, 2024, we closed a private offering of \$345.0 million aggregate principal amount of 0.750% Convertible Senior Notes due in 2029 (the “Notes”). The net proceeds from the offering of the Notes were \$333.7 million, after deducting the initial purchasers’ discount and commissions, and other transaction and offering expenses. For additional information on the Notes, refer to Note 8, “Debt” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

We believe that our existing cash resources and our Line of Credit will be sufficient to meet our capital requirements and fund our operations for the next 12 months as well as our longer-term liquidity needs. If an early conversion notice occurs on our Notes, we have the option to pay cash, shares of our Class A common stock, or a combination of both. Also, we expect to have access to additional sources of funds in the capital markets, and we may, from time to time, seek additional capital through a combination of additional debt and/or equity financings. If we were to raise additional funds by issuing equity securities, our stockholders may experience dilution. Debt financing, if available, may involve covenants restricting our operations or our ability to incur additional debt. Any debt financing or additional equity that we raise may contain terms that are not favorable to us or our stockholders. Additional financing may not be available at all, or in amounts or on terms unacceptable to us.

The following table presents a summary of our cash flows for the periods indicated:

(Dollars in thousands)	For the nine months ended September 30,		Year-Over-Year Change	
	2024	2023		
Net cash provided by operating activities	\$ 123,688	\$ 26,696	\$ 96,992	363.3 %
Net cash used in investing activities	(133,268)	(46,264)	(87,004)	(188.1)%
Net cash provided by (used in) financing activities	225,005	(6,003)	231,008	3,848.2 %
Effect of foreign exchange rate changes	810	(55)	865	1,572.7 %
Net increase (decrease) in cash, cash equivalents and restricted cash	<u>\$ 216,235</u>	<u>\$ (25,626)</u>	<u>\$ 241,861</u>	943.8 %

Operating Activities. Net cash provided by operating activities of \$123.7 million for the nine months ended September 30, 2024 consisted of net income of \$15.1 million, adjusted for non-cash charges of \$93.5 million and cash inflows of \$19.5 million from changes in operating assets and liabilities, which were partially offset by \$4.4 million in payments for purchase commitment and contingent consideration liabilities in excess of their initial fair value. The change in operating assets and liabilities was primarily driven by a decrease in accounts receivable and an increase in deferred revenue, primarily due to cash collections and customer growth during the period. These changes were partially offset by an increase in prepaid expenses and other current assets. These movements were primarily due to the timing of cash payments.

Net cash provided by operating activities of \$26.7 million for the nine months ended September 30, 2023 consisted of net loss of \$28.4 million, adjusted for non-cash charges of \$75.0 million and cash outflows of \$19.9 million from changes in operating assets and liabilities. The change in operating assets and liabilities was primarily driven by an increase in accounts receivable which was partially offset by increases in accounts payable and accrued expenses. These movements were primarily due to timing of cash collections and payments during the period.

Investing Activities. Net cash used in investing activities of \$133.3 million for the nine months ended September 30, 2024 consisted of investments in property and equipment, and capitalized software of \$47.5 million and \$16.4 million,

respectively, related to investments in infrastructure, new products, and enhancements to existing products. Additionally, we paid \$71.8 million related to acquisitions completed during the second and third quarters of 2024. Finally, we invested \$12.2 million in available-for-sale investment securities, which was more than offset by proceeds of \$14.6 million received during the period for sales and maturities in our investment securities. For additional information on our acquisitions, refer to Note 3, “Acquisitions” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Net cash used in investing activities of \$46.3 million for the nine months ended September 30, 2023 consisted of investments in property and equipment, and capitalized software of \$35.4 million and \$14.1 million, respectively, related to infrastructure investments to drive operating leverage and commercial solutions to support our customers. Additionally, we invested \$12.9 million in available-for-sale investment securities, which was more than offset by proceeds of \$16.0 million received during the period for sales and maturities in our investment securities.

Financing Activities. Net cash provided by financing activities of \$225.0 million for the nine months ended September 30, 2024 consisted of \$345.0 million in gross proceeds from our Notes, as well as a \$6.0 million increase in customer funds obligations, primarily due to timing differences between receipt of funds from customers and taxing jurisdiction withdrawals of these funds. These transactions were partly offset by \$46.9 million for the repayment of our term loan, \$42.4 million for the purchase of the Capped Call Transactions, \$3.9 million in payments of third-party debt, \$20.0 million in payments for taxes related to the net share settlement of stock-based awards, \$11.4 million for payments related to deferred financing costs and \$7.6 million for payments on purchase commitment and contingent consideration liabilities.

Net cash used in financing activities of \$6.0 million for the nine months ended September 30, 2023 consisted of a \$10.0 million payment for a deferred purchase commitment, \$9.2 million in payments for taxes related to the net share settlement of stock-based awards, \$6.4 million in payments for purchase commitment and contingent consideration liabilities, and \$1.6 million used for principal debt repayments. These transactions were partially offset by a \$17.0 million increase in customer funds obligations, primarily due to timing differences between receipt of funds from customers and taxing jurisdiction withdrawals of these funds, and \$3.1 million in proceeds from the exercise of stock options.

Debt. As of September 30, 2024, we had a \$200.0 million Line of Credit with no outstanding borrowings in connection with our Credit Agreement. As of September 30, 2024, we had \$345.0 million aggregate principal amount of debt outstanding related to our Notes. For additional information on our debt refer to Note 8, “Debt” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Funds Held for Customers and Customer Funds Obligations

We maintain trust accounts with financial institutions, which allow our customers to outsource their tax remittance functions to us. We have legal ownership over the accounts utilized for this purpose. Funds held for customers represent cash and cash equivalents that, based upon our intent, are restricted solely for satisfying the obligations to remit funds relating to our tax remittance services. Funds held for customers are not commingled with our operating funds.

Customer funds obligations represent our contractual obligations to remit collected funds to satisfy customer tax payments. Customer funds obligations are reported as a current liability on our consolidated balance sheets as the obligations are expected to be settled within one year. Cash flows related to changes in customer funds obligations liability are presented as cash flows from financing activities.

Contractual Obligations and Commitments

In connection with the pricing of the Notes on April 23, 2024, the Company entered into Capped Call Transactions. For additional information regarding the Capped Call Transactions, refer to Note 8, “Debt” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

As of September 30, 2024, we have no outstanding borrowings under the term loan or Line of Credit. Our Notes are due in May 2029. We expect to continue to fund debt maturities and interest payments with cash flows generated from operations, existing cash and cash equivalents, or proceeds from additional financing. For additional information on our debt obligations, refer to Note 8, “Debt” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

As a result of the August 30, 2024 ecosio acquisition, we may be obligated to make annual payouts for Earn-outs based on ecosio's achievement of certain financial targets over a three-year period. For additional information on the ecosio acquisition, refer to Note 3, "Acquisitions" to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

There have been no other material updates or changes to our contractual obligations and commitments compared to contractual obligations and commitments described in our 2023 Annual Report, other than those noted above.

Key Business Metrics

We regularly review the metrics identified below to evaluate growth trends, measure our performance, formulate financial projections and make strategic decisions.

Annual Recurring Revenue ("ARR") and Average Annual Revenue Per Customer ("AARPC").

We derive the vast majority of our revenue from recurring software subscriptions. We believe ARR provides us with visibility to our projected software subscription revenue in order to evaluate the health of our business. Because we recognize subscription revenue ratably, we believe investors can use ARR to measure our expansion of existing customer revenues, new customer activity, and as an indicator of future software subscription revenues. ARR is based on monthly recurring revenue ("MRR") from software subscriptions for the most recent month at period end, multiplied by twelve. MRR is calculated by dividing the software subscription price, inclusive of discounts, by the number of subscription covered months. MRR only includes customers with MRR at the end of the last month of the measurement period.

AARPC represents average annual revenue per customer and is calculated by dividing ARR by the number of software subscription customers at the end of the respective period.

(Dollars in millions)	As of September 30,		Year-Over-Year Change	
	2024	2023		
Annual Recurring Revenue	\$ 576.8	\$ 484.9	\$ 91.9	19.0 %

ARR increased by \$91.9 million, or 19.0%, at September 30, 2024, as compared to September 30, 2023. The increase was primarily driven by \$52.6 million of growth in revenues from existing customers through their expanded use of our solutions as well as price increases, and \$25.3 million in growth of subscriptions of our solutions to new customers. Additionally, \$5.9 million was added to ARR due to the inclusion of Systax's ARR, which was included as a result of the acquisition of the remaining ownership interests of Systax during the second quarter of 2024, and \$8.1 million was added to ARR due to the ecosio acquisition during the third quarter of 2024. Excluding the impact of Systax and ecosio, the ARR growth rate would have been 16.1%.

We had 4,855 direct customers and AARPC was approximately \$118,800 at September 30, 2024. At September 30, 2023, we had 4,303 direct customers and approximately \$112,690 of AARPC. The increase in AARPC was primarily due to expansion of usage by existing customers and adding new customers through organic growth. Additionally, the inclusion of Systax and ecosio added 574 customers to the third quarter of 2024.

Net Revenue Retention Rate (“NRR”).

We believe that our NRR provides insight into our ability to retain and grow revenue from our customers, as well as their potential long-term value to us. We also believe it demonstrates to investors our ability to expand existing customer revenues, which is one of our key growth strategies. Our NRR refers to the ARR expansion during the 12 months of a reporting period for all customers who were part of our customer base at the beginning of the reporting period. Our NRR calculation takes into account any revenue lost from departing customers or those who have downgraded or reduced usage, as well as any revenue expansion from migrations, new licenses for additional products or contractual and usage-based price changes.

	As of September 30,	
	2024	2023
Net Revenue Retention Rate	111 %	111 %

Gross Revenue Retention Rate (“GRR”).

We believe our GRR provides insight into and demonstrates to investors our ability to retain revenues from our existing customers. Our GRR refers to how much of our MRR we retain each month after reduction for the effects of revenues lost from departing customers or those who have downgraded or reduced usage. GRR does not take into account revenue expansion from migrations, new licenses for additional products or contractual and usage-based price changes. GRR does not include revenue reductions resulting from cancellations of customer subscriptions that are replaced by new subscriptions associated with customer migrations to a newer version of the related software solution.

	As of September 30,	
	2024	2023
Gross Revenue Retention Rate	95 %	96 %

Adjusted EBITDA and Adjusted EBITDA Margin.

We believe that Adjusted EBITDA is a measure widely used by securities analysts and investors to evaluate the financial performance of our company and other companies. We believe that Adjusted EBITDA and Adjusted EBITDA margin are useful as supplemental measures to evaluate our overall operating performance as they measure business performance focusing on cash related charges and because they are important metrics to lenders under our credit agreement. We define Adjusted EBITDA as net loss or income before interest (including adjustments to the settlement value of deferred purchase commitment liabilities), taxes, depreciation, and amortization, as adjusted to exclude charges for asset impairments, stock-based compensation expense, amortization of cloud computing arrangement implementation costs, severance expense, acquisition contingent consideration, litigation settlements, and transaction costs. Adjusted EBITDA margin represents Adjusted EBITDA divided by total revenues for the same period. For purposes of comparison, our net income (loss) was \$7.2 million and \$(3.4) million for the three months ended September 30, 2024 and 2023, respectively, while our net income (loss) margin was 4.2% and (2.3)% over the same periods, respectively. Additionally,

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our net income (loss) was \$15.1 million and \$(28.4) million for the nine months ended September 30, 2024 and 2023, respectively, while our net income (loss) margin was 3.1% and (6.8)% over the same periods, respectively.

(Dollars in thousands)	For the three months ended		For the nine months ended	
	September 30,		September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Adjusted EBITDA:				
Net income (loss)	\$ 7,221	\$ (3,399)	\$ 15,069	\$ (28,427)
Interest expense (income), net	(2,938)	597	(2,471)	142
Income tax (benefit) expense	613	784	(1,722)	13,266
Depreciation and amortization – property and equipment	5,214	3,782	15,432	11,401
Depreciation and amortization of capitalized software and acquired intangible assets – cost of subscription revenues	14,198	14,029	44,123	39,150
Amortization of acquired intangible assets – selling and marketing expense	706	596	1,893	2,046
Amortization of cloud computing implementation costs – general and administrative	1,005	919	2,994	1,550
Stock-based compensation expense	10,134	7,772	36,459	26,228
Severance expense	927	643	2,388	2,103
Acquisition contingent consideration	100	900	(2,275)	1,349
Transaction costs	1,443	—	1,991	—
Adjusted EBITDA	\$ 38,623	\$ 26,623	\$ 113,881	\$ 68,808
Adjusted EBITDA Margin:				
Total revenues	\$ 170,435	\$ 145,027	\$ 488,320	\$ 417,473
Adjusted EBITDA margin	22.7 %	18.4 %	23.3 %	16.5 %

The increase in Adjusted EBITDA for the three months ended September 30, 2024 of \$12.0 million over the comparable period in 2023 was primarily driven by an increase of \$22.8 million in non-GAAP gross profit, partly offset by a \$7.5 million increase in non-GAAP selling and marketing expense as well as a \$4.9 million increase in non-GAAP general and administrative expense. Adjusted EBITDA margin increased to 22.7% for the three months ended September 30, 2024, compared to 18.4% for the comparable period in 2023, primarily due to increased non-GAAP gross margin from both our software subscriptions and professional services revenue.

The increase in Adjusted EBITDA for the nine months ended September 30, 2024 of \$45.1 million over the comparable period in 2023 was primarily driven by an increase of \$61.0 million in non-GAAP gross profit, partly offset by an \$16.3 million increase in non-GAAP selling and marketing expense. Adjusted EBITDA margin increased to 23.3% for the nine months ended September 30, 2024, compared to 16.5% for the comparable period in 2023, primarily due to increased non-GAAP gross margin from both our software subscriptions and professional services revenue.

The increase in Adjusted EBITDA is also partially due to the previously announced strategic investments that were made primarily during 2020 through 2023 into information technology infrastructure, business and re-engineering processes, employees, and other initiatives, which were strategically aimed to deliver consistent revenue growth, drive future earnings leverage, and expand adjusted EBITDA margins.

Free Cash Flow and Free Cash Flow Margin.

We use free cash flow as a critical measure in the evaluation of liquidity in conjunction with related GAAP amounts. We also use this measure when considering available cash, including for decision-making purposes related to dividends and discretionary investments. We consider free cash flow to be an important measure for investors because it measures the amount of cash we generate from our operations after our capital expenditures and capitalization of software development costs. In addition, we base certain of our forward-looking estimates and budgets on free cash flow and free

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cash flow margin. We define free cash flow as the total of net cash provided by operating activities less purchases of property and equipment and capitalized software. We define free cash flow margin as free cash flow divided by total revenues for the same period.

Our net cash provided by operating activities was \$41.4 million and \$27.6 million for the three months ended September 30, 2024 and 2023, respectively, while our operating cash flow margin was 24.3% and 19.0% over the same periods, respectively. Our net cash provided by operating activities was \$123.7 million and \$26.7 million for the nine months ended September 30, 2024 and 2023, respectively, while our operating cash flow margin was 25.3% and 6.4% over the same periods, respectively.

(Dollars in thousands)	For the three months ended September 30,		For the nine months ended September 30,	
	2024	2023	2024	2023
	(unaudited)			
Free Cash Flow:				
Cash provided by (used in) operating activities	\$ 41,396	\$ 27,594	\$ 123,688	\$ 26,696
Property and equipment additions	(17,771)	(13,498)	(47,520)	(35,357)
Capitalized software additions	(5,260)	(5,041)	(16,357)	(14,083)
Free cash flow	<u>\$ 18,365</u>	<u>\$ 9,055</u>	<u>\$ 59,811</u>	<u>\$ (22,744)</u>
Free Cash Flow Margin:				
Total revenues	<u>\$ 170,435</u>	<u>\$ 145,027</u>	<u>\$ 488,320</u>	<u>\$ 417,473</u>
Free cash flow margin	<u>10.8 %</u>	<u>6.2 %</u>	<u>12.2 %</u>	<u>(5.4)%</u>

Free cash flow increased by \$9.3 million for the three months ended September 30, 2024, as compared to the same period in 2023. This increase was primarily driven by an increase in net cash provided by operating activities of \$13.8 million, primarily attributable to customer growth and cash collections during the period. This increase was partly offset by a \$4.3 million increase in ongoing investments in internal-use software for cloud-based subscription solutions and software developed for sale for new products and enhancements to existing products. Free cash flow margin increased to 10.8% for the three months ended September 30, 2024, compared to 6.2% for the same period in 2023.

Free cash flow increased by \$82.6 million for the nine months ended September 30, 2024, as compared to the same period in 2023. This increase was primarily driven by an increase in net cash provided by operating activities of \$97.0 million, primarily attributable to customer growth and cash collections during the period. This increase was partly offset by a \$12.2 million increase in ongoing investments in internal-use software for cloud-based subscription solutions and software developed for sale for new products and enhancements to existing products. Free cash flow margin increased to 12.2% for the nine months ended September 30, 2024, compared to (5.4)% for the same period in 2023.

Use and Reconciliation of Non-GAAP Financial Measures

In addition to our results determined in accordance with GAAP, we have calculated Adjusted EBITDA, Adjusted EBITDA margin, free cash flow, free cash flow margin, non-GAAP cost of revenues, non-GAAP gross profit, non-GAAP gross margin, non-GAAP research and development expense, non-GAAP selling and marketing expense, non-GAAP general and administrative expense, non-GAAP operating income, and non-GAAP net income, which are each non-GAAP financial measures. We have provided tabular reconciliations of each of these non-GAAP financial measures to its most directly comparable GAAP financial measure.

We use these non-GAAP financial measures to understand and compare operating results across accounting periods, for internal budgeting and forecasting purposes, and to evaluate financial performance. We use non-GAAP financial measures of free cash flow and free cash flow margin to evaluate liquidity. Our non-GAAP financial measures are presented as supplemental disclosure as we believe they provide useful information to investors and others in understanding and evaluating our results, prospects, and liquidity period-over-period without the impact of certain items that do not directly correlate to our operating performance and that may vary significantly from period to period for reasons unrelated to our operating performance, as well as comparing our financial results to those of other companies. Our

definitions of these non-GAAP financial measures may differ from similarly titled measures presented by other companies, and therefore, comparability may be limited. In addition, other companies may not publish these or similar metrics. Thus, our non-GAAP financial measures should be considered in addition to, not as a substitute for, or in isolation from, the financial information prepared in accordance with GAAP financial measures, and should be read in conjunction with the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Additional Non-GAAP Financial Measures

In addition to Adjusted EBITDA, Adjusted EBITDA margin, free cash flow, and free cash flow margin calculated and discussed in “Key Business Metrics,” the following additional non-GAAP financial measures are calculated and presented further below:

- Non-GAAP cost of revenues, software subscriptions is determined by adding back to GAAP cost of revenues, software subscriptions, the stock-based compensation expense, and depreciation and amortization of capitalized software and acquired intangible assets included in cost of subscription revenues for the respective periods.
- Non-GAAP cost of revenues, services is determined by adding back to GAAP cost of revenues, services, the stock-based compensation expense included in cost of revenues, services for the respective periods.
- Non-GAAP gross profit is determined by adding back to GAAP gross profit the stock-based compensation expense, and depreciation and amortization of capitalized software and acquired intangible assets included in cost of subscription revenues for the respective periods.
- Non-GAAP gross margin is determined by dividing non-GAAP gross profit by total revenues for the respective periods.
- Non-GAAP research and development expense is determined by adding back to GAAP research and development expense the stock-based compensation expense and transaction costs related to acquired technology included in research and development expense for the respective periods.
- Non-GAAP selling and marketing expense is determined by adding back to GAAP selling and marketing expense the stock-based compensation expense and the amortization of acquired intangible assets included in selling and marketing expense for the respective periods.
- Non-GAAP general and administrative expense is determined by adding back to GAAP general and administrative expense the stock-based compensation expense, amortization of cloud computing implementation costs and severance expense included in general and administrative expense for the respective periods.
- Non-GAAP operating income is determined by adding back to GAAP loss or income from operations the stock-based compensation expense, depreciation and amortization of capitalized software and acquired intangible assets included in cost of subscription revenues, amortization of acquired intangible assets included in selling and marketing expense, amortization of cloud computing implementation costs in general and administrative expense, severance expense, acquisition contingent consideration, litigation settlements, and transaction costs, included in GAAP loss or income from operations for the respective periods.
- Non-GAAP net income is determined by adding back to GAAP net income or loss income tax benefit or expense, stock-based compensation expense, depreciation and amortization of capitalized software and acquired intangible assets included in cost of subscription revenues, amortization of acquired intangible assets included in selling and marketing expense, amortization of cloud computing implementation costs in general and administrative expense, severance expense, acquisition contingent consideration, adjustments to the settlement value of deferred purchase commitment liabilities recorded as interest expense, litigation settlements, and transaction costs, included in GAAP net income or loss for the respective periods to determine non-GAAP income or loss before income taxes. Non-GAAP income or loss before income taxes

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is then adjusted for income taxes calculated using the respective statutory tax rates for applicable jurisdictions, which for purposes of this determination were assumed to be 25.5%.

We encourage investors and others to review our financial information in its entirety, not to rely on any single financial measure and to view these non-GAAP financial measures in conjunction with the related GAAP financial measures.

The following schedules reflect our additional non-GAAP financial measures and reconciles our additional non-GAAP financial measures to the related GAAP financial measures.

(Dollars in thousands)	For the three months ended		For the nine months ended	
	September 30,		September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Non-GAAP cost of revenues, software subscriptions	\$ 28,549	\$ 26,298	\$ 83,470	\$ 75,681
Non-GAAP cost of revenues, services	\$ 15,712	\$ 15,364	\$ 46,157	\$ 44,069
Non-GAAP gross profit	\$ 126,174	\$ 103,365	\$ 358,693	\$ 297,723
Non-GAAP gross margin	74.0 %	71.3 %	73.5 %	71.3 %
Non-GAAP research and development expense	\$ 12,897	\$ 15,374	\$ 39,061	\$ 40,907
Non-GAAP selling and marketing expense	\$ 38,454	\$ 30,998	\$ 111,149	\$ 94,845
Non-GAAP general and administrative expense	\$ 35,837	\$ 30,954	\$ 94,037	\$ 93,499
Non-GAAP operating income	\$ 33,409	\$ 22,841	\$ 98,449	\$ 57,407
Non-GAAP net income	\$ 27,079	\$ 16,572	\$ 75,501	\$ 42,662

(Dollars in thousands)	For the three months ended		For the nine months ended	
	September 30,		September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Non-GAAP Cost of Revenues, Software Subscriptions:				
Cost of revenues, software subscriptions	\$ 43,641	\$ 41,055	\$ 131,030	\$ 116,974
Stock-based compensation expense	(894)	(728)	(3,437)	(2,143)
Depreciation and amortization of capitalized software and acquired intangible assets – cost of subscription revenues	(14,198)	(14,029)	(44,123)	(39,150)
Non-GAAP cost of revenues, software subscriptions	\$ 28,549	\$ 26,298	\$ 83,470	\$ 75,681
Non-GAAP Cost of Revenues, Services:				
Cost of revenues, services	\$ 16,270	\$ 15,816	\$ 48,286	\$ 45,523
Stock-based compensation expense	(558)	(452)	(2,129)	(1,454)
Non-GAAP cost of revenues, services	\$ 15,712	\$ 15,364	\$ 46,157	\$ 44,069
Non-GAAP Gross Profit:				
Gross profit	\$ 110,524	\$ 88,156	\$ 309,004	\$ 254,976
Stock-based compensation expense	1,452	1,180	5,566	3,597
Depreciation and amortization of capitalized software and acquired intangible assets – cost of subscription revenues	14,198	14,029	44,123	39,150
Non-GAAP gross profit	\$ 126,174	\$ 103,365	\$ 358,693	\$ 297,723
Non-GAAP Gross Margin:				
Total revenues	\$ 170,435	\$ 145,027	\$ 488,320	\$ 417,473
Non-GAAP gross margin	74.0 %	71.3 %	73.5 %	71.3 %

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(Dollars in thousands)	For the three months ended		For the nine months ended	
	September 30,		September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Non-GAAP Research and Development Expense:				
Research and development expense	\$ 15,621	\$ 16,772	\$ 47,080	\$ 45,314
Stock-based compensation expense	(2,001)	(1,398)	(7,296)	(4,407)
Transaction costs	(723)	—	(723)	—
Non-GAAP research and development expense	\$ 12,897	\$ 15,374	\$ 39,061	\$ 40,907
Non-GAAP Selling and Marketing Expense:				
Selling and marketing expense	\$ 42,111	\$ 33,919	\$ 123,143	\$ 103,196
Stock-based compensation expense	(2,951)	(2,325)	(10,101)	(6,305)
Amortization of acquired intangible assets – selling and marketing expense	(706)	(596)	(1,893)	(2,046)
Non-GAAP selling and marketing expense	\$ 38,454	\$ 30,998	\$ 111,149	\$ 94,845
Non-GAAP General and Administrative Expense:				
General and administrative expense	\$ 41,499	\$ 35,385	\$ 112,915	\$ 109,071
Stock-based compensation expense	(3,730)	(2,869)	(13,496)	(11,919)
Severance expense	(927)	(643)	(2,388)	(2,103)
Amortization of cloud computing implementation costs – general and administrative	(1,005)	(919)	(2,994)	(1,550)
Non-GAAP general and administrative expense	\$ 35,837	\$ 30,954	\$ 94,037	\$ 93,499
Non-GAAP Operating Income:				
Income (loss) from operations	\$ 4,896	\$ (2,018)	\$ 10,876	\$ (15,019)
Stock-based compensation expense	10,134	7,772	36,459	26,228
Depreciation and amortization of capitalized software and acquired intangible assets – cost of subscription revenues	14,198	14,029	44,123	39,150
Amortization of acquired intangible assets – selling and marketing expense	706	596	1,893	2,046
Amortization of cloud computing implementation costs – general and administrative	1,005	919	2,994	1,550
Severance expense	927	643	2,388	2,103
Acquisition contingent consideration	100	900	(2,275)	1,349
Transaction costs	1,443	—	1,991	—
Non-GAAP operating income	\$ 33,409	\$ 22,841	\$ 98,449	\$ 57,407

(Dollars in thousands)	For the three months ended		For the nine months ended	
	September 30,		September 30,	
	2024	2023	2024	2023
	(unaudited)		(unaudited)	
Non-GAAP Net Income:				
Net income (loss)	\$ 7,221	\$ (3,399)	\$ 15,069	\$ (28,427)
Income tax (benefit) expense	613	784	(1,722)	13,266
Stock-based compensation expense	10,134	7,772	36,459	26,228
Depreciation and amortization of capitalized software and acquired intangible assets – cost of subscription revenues	14,198	14,029	44,123	39,150
Amortization of acquired intangible assets – selling and marketing expense	706	596	1,893	2,046
Amortization of cloud computing implementation costs – general and administrative	1,005	919	2,994	1,550
Severance expense	927	643	2,388	2,103
Acquisition contingent consideration	100	900	(2,275)	1,349
Transaction costs	1,443	—	1,991	—
Change in settlement value of deferred purchase commitment liability – interest expense	—	—	423	—
Non-GAAP income before income taxes	36,347	22,244	101,343	57,265
Income tax adjustment at statutory rate ⁽¹⁾	(9,268)	(5,672)	(25,842)	(14,603)
Non-GAAP net income	\$ 27,079	\$ 16,572	\$ 75,501	\$ 42,662

⁽¹⁾ Non-GAAP income (loss) before income taxes is adjusted for income taxes using the respective statutory tax rates for applicable jurisdictions, which for purposes of this determination were assumed to be 25.5%.

Critical Accounting Estimates

The critical accounting policies that reflect our more significant judgments and estimates used in the preparation of our condensed consolidated financial statements include revenue recognition and income taxes, which are described in our 2023 Annual Report.

Business Combination Fair Value Estimates

The results of a business acquired in a business combination are included in our condensed consolidated financial statements from the date of the acquisition. Purchase accounting results in tangible and intangible assets acquired, liabilities assumed, consideration transferred, and amounts attributed to noncontrolling interests of an acquired business being recorded at their estimated fair values on the acquisition date, which may be considered preliminary and subject to adjustment during the measurement period, which is up to one year from the acquisition date (the “Measurement Period”). Any excess consideration over the fair value of assets acquired and liabilities assumed is recorded as goodwill. Determining the fair value of these amounts requires significant judgment and estimates, including the selection of valuation methodologies, estimates of future revenue, costs and cash flows, discount rates, royalty rates, and selection of comparable companies. We continue to collect information and reevaluate these estimates and assumptions periodically and record any adjustments to preliminary estimates to goodwill, provided we are within the Measurement Period, with any adjustments to amortization of new or previously recorded assets and identifiable intangibles being recorded to the consolidated statements of comprehensive loss in the period in which they arise. In addition, if outside of the Measurement Period, any subsequent adjustments to the acquisition date fair values are reflected in the consolidated statements of comprehensive loss in the period in which they arise.

We use our best estimates, information and assumptions available at the acquisition date to assign preliminary fair values to the assets acquired, liabilities assumed, consideration transferred, and amounts attributed to noncontrolling interests. We engage the assistance of third-party valuation specialists to perform valuations of these amounts and to assist us in concluding on these fair value measurements. The resulting fair values and useful lives assigned to acquisition-related assets impact the amount and timing of future amortization expense.

These estimates are inherently uncertain and unpredictable, and if different estimates were used then the purchase price for the respective acquisition could be allocated to the acquired assets and liabilities differently from the allocation that we have made. In addition, unanticipated events and circumstances may occur which may affect the accuracy or validity of such estimates, and if such events occur, we may be required to record a charge against the value ascribed to an acquired asset, an increase in the amounts recorded for assumed liabilities, or an impairment of some or all of the goodwill.

There have been no other material updates or changes to our critical accounting estimates compared to the critical accounting estimates described in our 2023 Annual Report.

Recent Accounting Pronouncements

For further information on recent accounting pronouncements, refer to Note 1, “Summary of Significant Accounting Policies” to the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q.

Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Interest Rate Risk

We had unrestricted cash and cash equivalents of \$279.0 million and \$68.2 million as of September 30, 2024 and December 31, 2023, respectively, and investments of \$7.5 million and \$9.5 million as of September 30, 2024 and December 31, 2023, respectively. We maintain our cash and cash equivalents in deposit accounts, money market funds with various financial institutions, and in short duration fixed income securities. Due to the short-term nature of these instruments, we believe that we do not have any material exposure to changes in the fair value of these investments as a result of changes in interest rates. Increases or declines in interest rates would be expected to augment or reduce future interest income by an insignificant amount.

We are exposed to risk related to changes in interest rates on our outstanding borrowings. Borrowings under our Credit Agreement bear interest at rates that are variable. Increases in the bank prime or SOFR rates would increase the interest rate on any future outstanding borrowings. Any debt we incur in the future may also bear interest at variable rates.

Our Notes have a fixed annual interest rate; therefore, we have no financial or economic interest exposure associated with changes in interest rates. However, the fair value of fixed rate debt instruments fluctuates when interest rates change. Additionally, the fair value of the Notes can be affected when the market price of our common stock fluctuates. We carry the Notes at principal value less unamortized issuance costs on our condensed consolidated balance sheets, and we present fair value for required disclosure purposes only.

Foreign Currency Exchange Risk

Our revenues and expenses are primarily denominated in U.S. Dollars. For our foreign operations, the majority of our revenues and expenses are denominated in other currencies, such as the Canadian Dollar, Euro, British Pound, Swedish Krona, and Brazilian Real. Decreases in the relative value of the U.S. Dollar as compared to these currencies may negatively affect our revenues and other operating results as expressed in U.S. Dollars. For both the nine months ended September 30, 2024 and 2023, approximately 3% of our revenues were denominated in currencies other than U.S. Dollars.

We have experienced and will continue to experience fluctuations in our net loss or income as a result of transaction gains or losses related to revaluing certain current asset and current liability balances that are denominated in currencies other than the functional currency of the entities in which they are recorded. We have historically recognized immaterial amounts of foreign currency gains and losses in each of the periods presented. We may in the future hedge selected significant transactions denominated in currencies other than the U.S. dollar as we expand our international operations and our risk grows.

Item 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our principal executive officer and principal financial officer, evaluated the effectiveness of our disclosure controls and procedures as defined in Rule 13a-15(b) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”).

Based on the evaluation of our disclosure controls and procedures, our principal executive officer and principal financial officer concluded that, as of September 30, 2024, our disclosure controls and procedures were effective at a reasonable assurance level.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting during the period covered by this Quarterly Report on Form 10-Q that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II--OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

On January 25, 2022, we filed a complaint (subsequently amended on February 9, 2022) against Avalara, Inc. (“Avalara”) in the United States District Court for the Eastern District of Pennsylvania. The complaint alleges claims of unfair competition, intentional interference with contractual relations, and trade secret misappropriation against Avalara. We are seeking a permanent injunction to prevent Avalara from further interference with our contractual relations and prohibit the disclosure in any way of our confidential, proprietary and/or trade secret information. We are also seeking monetary damages, including punitive damages and attorney’s fees. As of September 30, 2024, the matter remains before the Court and is proceeding through the discovery process. We believe the allegations in the complaint, once proven, are sufficient to prevail in this matter. However, the eventual outcome of the case is subject to a number of uncertainties, and therefore we cannot offer any assurance as to the ultimate impact of this case on our business and operations.

In addition to the foregoing matter, from time to time, we may be involved in various legal proceedings arising from the normal course of business activities. We are not presently a party to any litigation the outcome of which we believe, if determined adversely to us, would individually or taken together have a material adverse effect on our business, operating results, cash flows or financial condition.

ITEM 1A. RISK FACTORS

This document incorporates by reference various risk factors discussed in the Company’s 2023 Annual Report and Quarterly Report on Form 10-Q for the quarter ended March 31, 2024, under the heading “Risk Factors”. There are no material changes to the risk factors discussed in these filings. You should carefully consider these risks, together with management’s discussion and analysis of our financial condition and results of operations in conjunction with the condensed consolidated financial statements and the notes thereto included elsewhere in this Quarterly Report on Form 10-Q. If any of the events contemplated should occur, our business, results of operations, financial condition and cash flows could suffer significantly.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

None.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES

None.

ITEM 4. MINE SAFETY DISCLOSURES

Not Applicable.

ITEM 5. OTHER INFORMATION

During the three months ended September 30, 2024, no director or officer of the Company adopted or terminated a “Rule 10b5-1 trading arrangement” or “non-Rule 10b5-1 trading arrangement,” as each term is defined in Item 408(a) of Regulation S-K.

ITEM 6. EXHIBITS

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<u>Exhibit Number</u>	<u>Exhibit Description</u>	<u>Form</u>	<u>File No.</u>	<u>Exhibit</u>	<u>Filing Date</u>	<u>Filed Herewith</u>	<u>Furnished Herewith</u>
31.1	Certification of Principal Executive Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002					X	
31.2	Certification of Principal Financial Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002					X	
32.1	Certification of Principal Executive Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002						X
32.2	Certification of Principal Financial Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002						X
101.INS	Inline XBRL Instance Document					X	
101.SCH	Inline XBRL Taxonomy Extension Schema Document					X	
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document					X	
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document					X	
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document					X	
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document					X	
104	Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101)						

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Vertex, Inc.

Date: November 6, 2024

By: /s/ David DeStefano

David DeStefano
*President, Chief Executive Officer and Chairperson
(principal executive officer)*

Date: November 6, 2024

By: /s/ John Schwab

John Schwab
Chief Financial Officer (principal financial officer)

CERTIFICATION

I, David DeStefano, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Vertex, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; and
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; and
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 6, 2024

By: /s/ David DeStefano
David DeStefano
Chief Executive Officer
(principal executive officer)

CERTIFICATION

I, John Schwab, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Vertex, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; and
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; and
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 6, 2024

By: /s/ John Schwab
John Schwab
Chief Financial Officer
(principal financial officer)

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of Vertex, Inc. (the "Company") for the period ended September 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 6, 2024

By: /s/ David DeStefano
David DeStefano
Chief Executive Officer
(*principal executive officer*)

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of Vertex, Inc. (the “Company”) for the period ended September 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 6, 2024

By: /s/ John Schwab
John Schwab
Chief Financial Officer
(principal financial officer)
