

Zack Valavanis

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LinkedIn: <https://www.linkedin.com/in/zack-valavanis/> | **GitHub:** <https://github.com/zackvalavanis> | **Portfolio:** <https://portfolio-theta-ten-86.vercel.app/>

Software engineer with a background in financial analytics, risk management, and full-stack development. Proficient in Ruby on Rails, React, JavaScript, and Python, with experience building scalable web applications and automating financial workflows. Passionate about leveraging technology to enhance financial systems, optimize investment strategies, and develop fintech solutions. Proven ability to drive efficiency through automation, data analytics, and software solutions.

TECHNICAL SKILLS

Languages & Frameworks: Ruby, Rails, JavaScript, React.js, HTML5, CSS, VBA

Databases & Tools: PostgreSQL, Tableau, Salesforce, SAP, QuickBooks

Development & Deployment: Git, Heroku, Vercel, REST APIs, Agile (scrum, kanban)

Core Skills: Full-Stack Development, Process Automation, Risk Management, Data Analytics, Project Management

TECHNICAL PROJECTS

Featured Project: Zen Rolls Website – Full-stack food ordering platform built with Rails and React, simulating a real-world restaurant environment.

- ▶ Built with a Ruby on Rails backend and React, JavaScript, and TypeScript frontend
- ▶ Integrated with Stripe for order processing
- ▶ Designed to provide a smooth, responsive user experience with dynamic content
- ▶ Integrated RESTful APIs to manage menu items, customer orders, and reservations

PROFESSIONAL EXPERIENCE

Neuberger Berman

2023 – Present

Data Analytics Analyst / Client Associate

- ▶ Developed automation scripts (VBA) to streamline financial reporting, reducing manual workload by 56 hours annually.
- ▶ Managed a \$2.7B diversified portfolio across multiple client segments, consistently outperforming market benchmarks by 1% in tax alpha, driving both client growth and portfolio optimization.
- ▶ Developed and executed tax-efficient investment strategies for diverse portfolios, achieving up to 10% reductions in capital gains taxes, leading to significant cost savings and improved financial outcomes for clients.
- ▶ Implemented data-driven strategies that contributed to a \$100M increase in the book value within a year, fostering stronger client trust and driving long-term engagement.

Accenture

2022 – 2023

Real Estate Data Analyst

- ▶ Managed a \$1.1B portfolio of 37 commercial office spaces, accommodating thousands of employees, improving tenant satisfaction by 20%, and driving operational efficiencies across multiple sites.
- ▶ Streamlined vendor operations and implemented process improvements, achieving \$200,000 in savings and a 5% reduction in operating expenses through optimized vendor management and operational efficiencies.
- ▶ Led the transition of 12 properties by optimizing vendor management and rent processes, reducing costs by 5% through improved operational efficiency.
- ▶ Conducted regular audits of operational processes, identifying areas for improvement that led to a 25% decrease in maintenance response times.

Advantage Futures

2020 – 2022

Risk Analyst

- ▶ Streamlined quarterly reporting by implementing VBA macros to automate data compilation, reducing reporting time by over 50% and boosting overall efficiency, allowing for increased focus on client portfolios.
- ▶ Managed the analysis of volume and open interest in emerging exchange-traded products, including Bitcoin and Ethereum futures, leading to a 15% improvement in portfolio performance tracking.
- ▶ Conducted data analysis on margin usage, providing insights that reduced risk exposure by 20% and identified optimization opportunities for capital allocation.

OnShore Security

2019 – 2020

Assistant to the CFO (2019-2020)

- ▶ Extracted financial data from QuickBooks and integrated it into an interactive dashboard, enabling KPI visualization that increased reporting efficiency by 30%.
- ▶ Led the creation of comprehensive profit and loss statements for the past 3 years, providing a clearer financial picture that improved decision-making accuracy by 20% and enhanced forecasting capabilities.
- ▶ Developed and implemented standardized reporting templates, streamlining financial analysis and increasing reporting accuracy by 25%, which significantly enhanced strategic planning and decision-making capabilities.

EDUCATION & CERTIFICATIONS

Actualize Coding Bootcamp – Full-Stack Web Development (Ruby, Rails, JavaScript, React)

University of Colorado – Leeds School of Business (B.S. in Business Administration) – Chancellors achievement Scholar

University of Westminster (London, UK) (Study Abroad Program)

Certifications:

- ▶ Tableau For Data Science
- ▶ FINRA Series 3, 7, 63, 65
- ▶ Google Project Management Certificate