# 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/

Versatile and innovative Software Engineer with 2 years of experience building and optimizing web and mobile applications using React and React Native (TypeScript), Python, and C++. Skilled in Agile collaboration and leveraging Jira to streamline workflows. Adept at creating responsive, user-friendly UIs and implementing robust unit and integration testing to deliver reliable, high-quality software.

## PROJECTS

**Featured Project: Fork & Flame (In Progress)** – Full-stack React (TypeScript) & Rails app with PostgreSQL, featuring AI-powered recipe and restaurant generation.
- OpenAI API Integration: Leveraged OpenAI's API to dynamically generate recipes based on user-provided ingredients and servings, with scalability for additional inputs.
- Responsive UI Design: Built a mobile-friendly, intuitive interface to provide seamless usability across all devices.
- Full-Stack Development: End-to-end implementation connecting the frontend, backend, and database, enabling users to generate and explore personalized recipes and restaurant recommendations.

## SKILLS

*Core Skills:* Full-Stack Development, Frontend Engineering, Mobile Development, Process Automation, Data Analytics, Agile Project Management, API Integration, Unit & Integration Testing
*Languages & Frameworks:* Python, C++, FastApi, JavaScript, TypeScript, React, React Native, Node.js, Express, Ruby on Rails, Supabase, HTML5, CSS3, VBA
*Databases & Platforms:* PostgreSQL, Git, APIs (REST/JSON), Vercel, Heroku, Microsoft Office, Salesforce, SAP

## PROFESSIONAL EXPERIENCE

*SALUS Wellness*                                                                                                          *2025 – Present*
**Founding Software Engineer**
- Built the MVP authentication system in React Native, enabling secure user sign-up, login, and password management, completing core auth features.
- Implemented frontend components from Figma designs using AI-assisted workflows, reducing manual coding effort by 20% and improving accuracy.
- Organized weekly sprint planning in Notion and facilitated standups for a 5-person team, improving task tracking and team collaboration

*Capture*                                                                                                                *2025 – Present*
**Frontend Software Engineering Intern**
- Built and optimized mobile features using React Native (TypeScript), improving performance and usability across iOS and Android platforms.
- Collaborated with cross-functional teams in an Agile environment, using Jira to manage sprints, track tasks, and streamline development workflows.
- Developed responsive, reusable UI components and implemented unit/integration tests with Jest, improving app reliability and reducing production bugs.

*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, delivering customized client presentations that tracked key performance indicators (KPIs) such as risk-adjusted returns, sector allocations, volatility, and benchmark performance, enhancing transparency and supporting informed decision-making.
- Created detailed, data-driven client reports and dashboards tailored to portfolio goals; applied VBA-based validation tools to ensure reporting accuracy and integrity.
- Provided outstanding customer-facing support by addressing client needs, offering tailored solutions, and building strong, lasting relationships that enhanced satisfaction and trust.

*Accenture*                                                                                                              *2022 – 2023*
**Real Estate Analyst**
- Leveraged Google Project Management certification to manage 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.
- Managed the transition of 12 properties, collaborating with the real estate management team to optimize vendor management and rent processes.
- Utilized a Kanban board to track all incoming and outgoing expenses for each location, conducting regular audits of operational processes and identifying areas for improvement.

*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.

## EDUCATION

- **University of Colorado** – Post-Baccalaureate in Computer Science (In progress, expected 2028)
- **Actualize Coding Bootcamp** – Full-Stack Web Development (Ruby, Rails, JavaScript, React)
- **University of Colorado** – Leeds School of Business – B.S. in Business Administration, Chancellor's 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
- Certification in Blockchain and Digital Assets (CBDA)