Caden Marinozzi

Senior Full Stack Software Engineer

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Summary: Senior Full Stack Engineer with 5+ years of experience building scalable web applications and resilient backend systems, leading teams, and creating AI-driven solutions used by tens of thousands of users.

Work Experience

Co-founder, CTO *September 2025 - Present*

LineOS

- Built an AI **powered kitchen operations, training, and managerial assistant**, and a **workforce management platform** using **React**, **Vite.js, and TypeScript**.
- Designed a **massively scalable, resilient, low latency, microservices system architecture** to effectively scale to hundreds of thousands of concurrent connections with **less than 2 second total response time.**
- Developed a **content ingestion and processing queue system** using **Python, MinIO, PostgreSQL, and LLMs** to handle **hundreds of GBs** of recipe, safety, and training content of **all formats efficiently**.

Co-founder, CTO *April 2025 - Present*

Vivora.ai

- Built a **scalable, AI powered** study platform using **Next.js** and a **microservices architecture**
- Worked with a design team to **implement Figma designs with React.js, TypeScript, and Tailwind**.
- Developed **content-ingestion and AI processing** services using **Python and RabbitMQ**.

Contract Software Engineer *July 2025 - September 2025*

Better Earth

- **Automated legislative bill creation and updates**, saving **hundreds of hours** of manual entry using **TypeScript**.
- **Developed an AI-driven bill filtering and conversion system, reducing operational costs and server load.**
- Extended contract to implement **RAG-based processing** of newly created bills for legislative interpretation.

Full Stack Software Developer *June 2023 - September 2025*

Hopscotch Interactive

- Started as an intern, **creating a real estate marketing booking platform** in **React** and **TypeScript** to **save employees hundreds of hours** of manual booking handling.
- Developed **public and internal UIs** with **DaisyUI** and **Tailwind** for improved usability.
- Built a **resilient backend** using **Node.js, Firebase, and QuickBooks** to handle **payment processing, item management, automated scheduling, and client data.**
- **Converted internship into part-time/full-time** role to expand features and complete platform deployment.

React Software Engineer Intern *June 2022 - August 2022*

NMI

- Modernized **legacy PHP CRM** codebase into **React** and **TypeScript** for **thousands of clients.**
- Designed **UI features** and **UX flows** in **Figma and** implemented them in **React.**
- Resolved **deep-rooted bugs**, improving **real-time performance** and **page load speed**.

Engineer Manager and Developer *2019 - 2021*

Freelance Cyber Security and Anti Game Cheat Development Agency

- **Managed a team of ~12 software engineers** in developing security solutions to protect clients' apps and websites.
- **Saved $100k+** in potential damages by developing solutions using **Lua**, **Python**, and **JavaScript**.
- **Conducted interviews** to hire new engineers.

Projects

SPARC - Spacetime Analysis and Radiative Transfer Code *2022*
- Built a **GPU-accelerated black hole renderer** using **GLSL** and **JavaScript**, supporting **physically accurate simulations**.
- Derived and integrated **numerical equations**; published accompanying **educational articles**.
- Used to create graphics in **educational articles, papers, and websites.**

TamGames *2022*
- Developed a **free online games platform** attracting **75k peak daily active users.**
- **Partnered with game studios** to host additional games and monetized via **ads,** potentially generating **$500k+ ARR.**

Education

Santa Clara University *September 2025 - Expected June 2029*
B.S Computer Science and Engineering
- Member of Chalkboard, a gifted group of engineers, founders, and builders from Santa Clara.

Technical Skills

Languages: TypeScript, Python, JavaScript, C, Tailwind, CSS, HTML, SASS

Frameworks/tools: React, Next.js, Vite.js, Node.js

Backend/cloud: RESTful & Websocket APIs, microservice architecture, scalable systems design, Railway, Firebase

Infrastructure: MinIO, PostgreSQL, MongoDB, Docker

Frontend: React ecosystem, responsive design, Figma

AI/data: LLM integrations, vector databases (Pinecone, ChromaDB), data ingestion and processing pipelines

Other: Team collaboration, creative design, swiftly learning new tools, efficient communication, mentorship, code review, Linear