# ETHAN DAVIDSON

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Full-stack software engineer with experience delivering **scalable, production-grade systems** at Google and leading open-source communities. Skilled in cloud-native architecture, TypeScript, and AI-driven solutions with focus on accelerating development cycles and reducing infrastructure costs.

## SKILLS

**Programming**: TypeScript, JavaScript, Python, Go, C++, Java, SQL, HTML, CSS, Shell, Node.js, React, Svelte, Angular, Next.js, RxJS, TensorFlow, HuggingFace, Deno, Fresh
**Systems**: AWS, GCP, Docker, Terraform, CI/CD, Git, PostgreSQL, MongoDB, Redis, BigTable, Deno KV, GitHub, Protobuf, OpenAPI, ChatGPT, Discord API, Ollama
**Activities**: Puzzles, LEGO, retro tech, hackathons, OSS, community building

## EDUCATION

**California State University, Fullerton (CSUF)** — Fullerton, CA
*Bachelor of Science in Computer Science* — *May 2025*

## EXPERIENCE

**Software Engineer** — Jan 2025 – Present
*Confidential | Enterprise-grade tools to build, test, and launch safe, compliant AI models with confidence* — *Santa Monica, CA*

- Resolved bottlenecks in TypeScript, Docker, and Codespaces, enabling **zero-downtime releases**
- Refactored monolith, clearing **500+ TypeScript errors** and improving modularity
- Implemented RAG with Cloudflare edge deployment, reducing inference costs
- Built GDPR/CCPA-compliant de-identification API with automated audits

**Software Engineer, Founder** — Jan 2024 – Present
*Wazoo | Open-source, AI knowledgebase management and developer tools* — *Fullerton, CA*

- Led **10+** developers; shipped **8+** open-source TypeScript libraries via JSR
- Organized hackathons for **50+** participants with multi-category judging and live streams
- Reached **100%** Lighthouse performance and **0 ms** blocking time in production
- Built open-source e-commerce shop using Shopify Storefront API (payments + inventory)

**Software Engineering Intern** — May 2022 – August 2022
*Google* — *Kirkland, WA*

- Developed scalable UI features for Google Dataplex using Angular and RxJS, improving data discovery for **100K+** users
- Built reactive UI state simulator with RxJS for UI testing, reducing debugging time
- Enhanced quality with comprehensive unit and E2E tests integrated into CI/CD to catch bugs pre-production

**Student Training in Engineering Program (STEP) Intern** — May 2021 – August 2021
*Google* — *Cambridge, MA*

- Built promotions dashboard for **50K+** Hotel Center partners using Java RESTful APIs and responsive Angular frontend
- Modernized legacy C++ service and migrated to BigTable, improving throughput and reducing memory usage
- Engineered high-performance APIs with Protobuf and C++, achieving **<50 ms latency** for **10M+** daily requests
- Led cross-team testing session (bug bash), catching **100%** of critical issues pre-launch

## PROJECTS

**Round Up for Impact** — Real-time fintech platform using ZK cryptography for DeFi onboarding — *1st Place, HackSC 2024*

**Deno Blocks** — No-code platform enabling direct TypeScript application deployment — *Deno Subhosting Hackathon Winner*

## LEADERSHIP

**Open Source President** | CSUF | Scaled developer community to **100+ contributors** on **20+ open-source projects**

**ICPC Team Lead** | CSUF | Led team strategy and algorithmic preparation for collegiate programming competitions

**Vaqcoders President, Founder** | Rancho Alamitos High School | Hosted programming club workshops and coding challenges