

# 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  
*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