

# 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)**

*Bachelor of Science in Computer Science*

Fullerton, CA

May 2025

## EXPERIENCE

### Software Engineer

*Confidential*

Jan 2025 – Present

*Remote & Santa Monica, CA*

- Resolved **TypeScript**, **Docker**, and **Codespaces** bottlenecks, enabling **zero-downtime releases**
- Refactored monolithic codebase resolving **200+ TypeScript errors** and improving modularity for better maintainability
- Implemented **RAG architecture** with **Cloudflare** edge deployment, reducing inference costs
- Built GDPR/CCPA-compliant **de-identification API** with automated audit processes

### Software Engineer, Founder

*Wazoo*

Jan 2024 – Present

*Remote & On-site, CA*

- Led **10+ developers** to deliver **8+ open-source TypeScript libraries** via **JSR**
- Organized **FartHacks 2025** hackathon for **50+ participants** with multi-category judging and live-streamed events
- Achieved **100% Lighthouse performance** and **0ms blocking time** for production platform, optimizing Core Web Vitals
- Built **open-source e-commerce shop** with **Shopify Storefront API**, integrating payments and inventory

### Software Engineering Intern

*Google*

May 2022 – August 2022

*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, immeasurably reducing debugging time
- Enhanced quality with comprehensive unit and **E2E** tests integrated into **CI/CD** to catch bugs pre-production

### STEP Intern

*Google*

May 2021 – August 2021

*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 **<50ms latency** for **10M+ daily requests**
- Led cross-team testing session (bug bash), catching **100% of critical issues pre-launch**

## PROJECTS

**Round Up for Impact** | *First Place, HackSC 2024* | Real-time **fintech platform** using **ZK cryptography** for **DeFi** onboarding

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

## 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