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.

EDUCATION

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

EXPERIENCE

Software Engineer   Jan 2025 – Present
Confidential   *Remote & On-site, CA*
- Resolved **TypeScript**, **Docker**, and **GitHub Codespaces** bottlenecks, enabling **zero-downtime releases**
- Refactored monolithic codebase resolving **200+ lint 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   Jan 2024 – Present
Wazoo   *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   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, immeasurably reducing debugging time
- Enhanced quality with comprehensive unit and **E2E** tests integrated into **CI/CD** to catch bugs pre-production

STEP Intern   May 2021 – August 2021
Google   *Remote, CA*
- 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

RoundUp 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 | Rancho Alamitos High School | Hosted programming club workshops and coding challenges

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, Protobuf, OpenAPI, ChatGPT, Discord API, Ollama
Activities: Puzzles, LEGO, retro tech, hackathons, OSS, community building