ETHAN DAVIDSON

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Full-stack software engineer with **2+ years of** combined experience delivering **scalable, production-grade systems** at Google and in startups. Skilled in cloud-native architecture, TypeScript, and C++; delivered data-driven performance wins and AI solutions that reduce 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, Neuro-Symbolic AI, Knowledge Graphs, LLMs
Activities: Puzzles, LEGO, retro tech, embedded, 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
Divinci | 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
- Applied C++ and Protobuf to performance-critical components for low-latency processing
- Implemented GDPR/CCPA-compliant RAG with Cloudflare edge deployment, reducing inference costs

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 with data-driven memory optimization techniques and migrated to BigTable, achieving **40% throughput improvement** and **60% memory reduction** for high-performance data processing
- 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
FullyHacks Founder & Webmaster | CSUF | Organized annual university hackathon