

Evan Huang

☀ AWS Certified Solutions Architect

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EXPERIENCE

Software Engineer | Capital One, McLean, VA

August 2023 – Present

- Built Recadero, a Go CLI adopted by 5 production services across 7 repositories to selectively generate required event contracts, replacing a monolithic shared module, cutting generated boilerplate 38-97%, and eliminating QA/PROD schema drift
- Designed and delivered a new billing-cycle management action for Capital One's credit card processing core end to end over a four-month build-out; authored the design, implemented the request-to-ledger-to-egress flow, and built functional and integration tests with full requirements traceability
- Architected high-throughput event-driven card transaction processing system using Go, Restate, Lambda, and Kafka; 15-min RTO/RPO through idempotent processing and active-active design
- Delivered preapproval application flow and eligibility screens (React, Angular) for small business credit card platform serving millions of applicants, contributing to \$60M annualized business value and 18% conversion lift
- Shipped automated code-review and Jira-workflow tools that recovered approximately 140 engineering hours annually across a five-engineer team
- Identified and resolved test performance bottleneck in Elm functional test suite; reduced local test and CI/CD pipeline time by 50% (400s→200s), saving 150+ engineering hours monthly across 30+ engineers
- Independently identified and solved DX bottleneck affecting 30+ engineers; built recursive descent parser in Python to decode cryptic Elm/Morphir compiler errors, reducing diagnosis time from 10min to <1min
- Engineered Go testing framework for Restate durable execution workflows, enabling E2E validation of async orchestration logic and Kafka event streams
- Developed a Neo4j knowledge graph that parses repositories with tree-sitter and links product requirements to the code that implements them; added vector search across specifications and source files
- Created crumb, a Go CLI and Claude Code skill that reconciles Jira, GitHub, git history, repository search, and YAML manifests into a queryable requirements-to-code graph; added implementation, open-work, and health commands, giving agents deterministic traceability from requirements to code and tests

Founder | HashTop, Avon Lake, Ohio

2020 – 2023

- Launched and operated a cryptocurrency mining platform generating \$40K in revenue within two months; built distributed services for customer accounts, GPU telemetry, and remote node management

PROJECTS

HostelHound - Hostel Price Tracking | Rust, SvelteKit, Postgres, TimescaleDB, Terraform, Grafana, LangGraph

hostelhound.com

- Launched a Rust and SvelteKit price-tracking platform spanning ~14,700 hostels across 795 cities in 117 countries; its concurrent scraper records ~2.8M price rows daily for historical trends, price-drop predictions, and alerts
- Designed and self-hosted an always-on agentic browser monitor on dedicated GPU infrastructure; combined persistent LangGraph exploration across anonymous, free, and paid personas with deterministic browser checks and independent multi-model verification
- Triageed 331 monitor reports into 46 unique production defects, driving 39 fixes or mitigations through provenance checks, duplicate suppression, and supervised browser recovery
- Deployed 7 Grafana dashboards tracking traffic, scraper throughput, prediction accuracy, and application errors; provisioned the stack with Terraform and shipped Prometheus metrics and Loki logs through Alloy

Home Server | Proxmox VE, Linux, Docker Compose, OpenZFS

- Fine-tuned and self-hosted open-weight Qwen and Mistral models for private offline inference and local agentic workflows; trained LoRA adapters for image generation models on self-hosted GPU infrastructure

mlx-audio - Open-Source Contribution | Python, MLX, ASR

github.com/Blaizzy/mlx-audio/pull/763

- Contributed a merged fix to mlx-audio, a widely-used Apple-Silicon speech library, enabling NVIDIA's Canary-1B-v2 ASR model to load from community MLX-native checkpoints; resolved three weight-loading defects, added a unit-test suite, and shipped after maintainer review

SKILLS

Languages: Go, Python, Java, TypeScript

Frameworks/Tools: Docker, Kafka, FastAPI, Neo4j, MCP, LangGraph, Pyright, tree-sitter, Playwright

Cloud/Infra: AWS Certified Solutions Architect, GCP, Terraform

EDUCATION

B.S. Computer Science and Engineering, AI Specialization

June 2023

Minor in Psychology · The Ohio State University – Engineering Scholars · Columbus, Ohio · 3.9/4.0 · Magna Cum Laude