

ZORIAH COCIO

SOFTWARE ENGINEER | GO • TYPESCRIPT • CLOUD / INFRASTRUCTURE • AI

Tucson, AZ | (832) 944-0726 | info@zoriahcocio.com | zoriahcocio.com | github.com/codejupiter | linkedin.com/in/zoriah-cocio

SUMMARY

Full-stack and systems engineer with production experience across TypeScript/React web applications, Go and Python services, APIs, applied AI, and real-time systems. Built a Go control plane for a sharded time-series database, production AI workflows with deterministic testing and validation boundaries, and high-throughput web interfaces. Hands-on with AWS, Docker, GitHub Actions, CI/CD, automated testing, observability, and AI-assisted development workflows. Strong focus on understanding, reviewing, testing, and taking ownership of generated code.

CORE SKILLS

Languages: Go, TypeScript, JavaScript, Python, C++17

Web: React, Next.js, Tailwind CSS, Zustand, TanStack Query

Backend & APIs: Go, Node.js, Python, REST, HTTP/JSON, WebSocket, SSE, PostgreSQL, Zod

Cloud / DevOps: AWS, Docker, GitHub Actions, CI/CD, Vercel, Supabase, Prometheus, runtime observability

Testing: Go race detector, property/fuzz testing, deterministic CI modes, eval fixtures, regression testing

AI Engineering: OpenAI & Anthropic APIs, structured outputs, streaming interfaces, AI coding assistants, agent-assisted workflows

Systems: Linux command line, distributed systems, shared-memory IPC, write-ahead logging, quorum replication, backpressure

EXPERIENCE

Independent Full-Stack Engineer | Zoriah Cocio - Remote / Tucson, AZ Jan 2019 - Present

- Delivered production web applications for 50+ client engagements across B2B SaaS, fintech, and AI tooling, owning scope, architecture, implementation, testing, and delivery.
- Built TypeScript/React frontends and backend services in Go, Node.js, and Python; designed REST, WebSocket, and SSE integrations for real-time and high-throughput workloads.
- Built AI-powered workflows with server-side schema validation, deterministic mock modes for CI, eval fixtures, persistence, and audit/history layers.
- Used modern AI coding assistants to accelerate implementation while reviewing, testing, debugging, and taking ownership of generated changes before integration.
- Produced technical documentation, architecture notes, setup/deployment instructions, and handoff materials for maintainable production systems.

Full-Stack Engineer | APRE Instruments - Remote / Tucson, AZ Jun 2018 - Dec 2021

- Built and integrated web and backend systems, custom CMS functionality, e-commerce flows, and third-party APIs.
- Implemented secure payment and service integrations and optimized data flow across web and mobile-facing systems.
- Created implementation and deployment documentation and collaborated with stakeholders to translate requirements into shipped features.

SELECTED PROJECTS

Cardinal - Sharded Time-Series Database | C++17 + Go

- Built a Go control plane exposing an HTTP/JSON API with backpressure, a cardinality guard, Prometheus self-metrics, and a C++ storage engine with Gorilla compression and a crash-safe write-ahead log.
- Added lock-free shared-memory ingestion and SIMD aggregation; implemented quorum replication with tunable read consistency.
- Hardened the system with sanitizers, the Go race detector, property/fuzz tests, and a CI test matrix.

RevAssist - Applied AI Workflow | Next.js + AI SDK + Zod + PostgreSQL

- Built a production AI workflow with structured outputs validated server-side before persistence.
- Implemented deterministic CI behavior, regression/eval fixtures, failure handling, and audit/history layers rather than blindly accepting model output.

Ledgerline - Real-Time Trading UI | React + TypeScript + WebSocket

- Built a low-latency interface for sustained live market-data streams using workers and buffered queues while preserving responsive rendering.

EDUCATION

Stanford University | B.S. Computer Science | 2025