

> Cooper Anderson

Software Engineer — AI Agent Infrastructure & Full-Stack

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Engineer who builds **AI-agent infrastructure** — multi-agent orchestration, MCP servers, and persistent Rust/Python daemons — and ships production full-stack SaaS. Frontend engineer at Veoci; through my LLC, co-lead a **~143K-LOC market-data analytics platform**.

~/ experience

Software Engineer — Veoci, Greywall Software

Jul 2025 - Present · Remote

Vue.js / TypeScript web client of an enterprise emergency-management SaaS.

- > Core contributor since inception to the team's internal **AI-agent orchestration framework** — shipped a Bugsnag-triage agent skill (~1.8K LOC), LSP auto-integration, and a war-room multi-agent collab system (Rust CLIs); post-adoption, monthly merged PRs rose **~35%** (~360 → 490+) with no added headcount.
- > Sole author of the framework's **second generation** — tailored to developer workflow: **session continuation**, per-developer persistent memory, a hybrid wiki + Neo4j/Graphiti **graph-memory tier** over MCP, and a self-improvement loop that captures corrections and evolves its own instructions.
- > Shipped the **Blueprints** reusable-template system (~16.7K LOC) for the no-code page-builder — recursive block-tree editor, 45+ block types, and real-time multi-user presence.
- > Diagnosed a Vue reactivity loop in the Leaflet layer that crashed **599 production events**; shipped the fix with regression coverage.

Independent Software Engineer — CASystems LLC

Nov 2025 - Present · New York

Single-member NY LLC for product and consulting engineering.

- > **OptionsFlow** (co-lead) — co-built a production options-flow data & analytics SaaS (Next.js 16 / Neon Postgres / Redis / Stripe; ~143K LOC). Owned trade ingestion and the trades hot-path: **~10x throughput** (~900 → 9,000+ trades/day), cut an **~11s** query regression via a partial index + read replica.
- > **The Daily Traders / TDT** (contract, Rumford Capital) — rebuilt the member-portal app in Next.js 14: cut a core signals API route from **~39s to <1s** via a bulk match-context builder, built a GEX enrichment engine, and ported ThinkScript ADR take-profit/stop-loss logic to TypeScript (282 tests).
- > **AJ's Airport Runs** (client) — shipped a production ride-share platform: Vue 3 + Capacitor iOS/Android app (~73K LOC, 25+ cloud functions, Stripe, signed App Store build), then rebuilt in React Native / Expo on Supabase/PostGIS.

~/ selected projects

/ **Regulatory-document review platform (Rust + Python)** — Persona-based multi-agent system for legal/regulatory review; pipeline ingesting **395,000+ documents** into SQLite/FTS5, served to agents via 26 MCP tools.

~/ skills

Agent Systems	Persona-based orchestration, agent specialty separation, session continuation
Memory & Context	Neo4j/Graphiti knowledge graphs, hybrid wiki+graph memory, FTS5 retrieval
Harnesses	Claude Code / Agent SDK, Pi, OpenClaw, Hermes, E2B microVMs
Agent Tooling	MCP (5 hand-built servers), tooling-backed skills, Rust agent CLIs
Systems Built	Real-time ingestion pipelines, WebSocket hot-paths, subscription SaaS
Languages	Rust, Python, TypeScript/JavaScript, Swift, Java, C++
Full-Stack	Next.js, React, Vue 3, React Native, Postgres, Redis, Firebase, Stripe

~/ education

St. Lawrence University — B.S. Computer Science / Outdoor Studies

May 2025 · Canton, NY

cum laude · Dean's List (3 years) · Presidential Achievement Award · St. Lawrence Fellow

Certifications: CompTIA Security+ · NYS Wilderness EMT