

SOMYA PRASAD SETHY

Full-Stack Developer | Backend Engineer | Creative Developer

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Self-taught, AI-assisted full-stack and backend developer with 3+ years of experience building production-grade web applications and developer tooling. Founder of Pole Studios, a branding and web development studio. Open to remote roles worldwide.

EXPERIENCE

Independent / Pole Studios — Full-Stack Developer

Jul 2023 – Present

- Design and build full-stack web applications (Next.js, React, Node.js) for startup founders and small businesses, translating business requirements into production-grade products.
- Founded Pole Studios (Oct 2025) to formalize the practice into a branding and web development studio, operating on zero external capital.
- Built a streamlined requirements-gathering process that cut project delivery time by 15%.
- Apply AI-assisted workflows across the development lifecycle, from scaffolding to code review.

PROJECTS

KV-Cache Fabric — Disaggregated Memory System for LLM Agent Swarms

- Built a hardware-agnostic KV-cache memory fabric (Go, Rust, gRPC) with VRAM-to-DRAM tiering, concurrent radix-tree prefix caching, and race-free two-phase eviction for autonomous LLM agent swarms.
- Cut time-to-first-token by 53% on partial cache hits and reached 99.3% prefix-cache reuse in multi-agent benchmarks, with zero deadlocks or OOM errors under a 16-concurrent-agent eviction stress test.

CodeSentry — Self-Hosted DevSecOps Code Inspector

- Building an open-source, self-hosted codebase inspector (a free alternative to CodeRabbit) that scans JavaScript/TypeScript and Python codebases and returns an automated production-readiness verdict.
- Leading a team of 4 developers, splitting work to match each teammate's skill level.

AI-Based Loan Disbursement System

- Built a system that uses AI to automate loan eligibility scoring and disbursement workflows.

SKILLS & TECHNOLOGIES

Go · Rust · TypeScript · Node.js · React · Next.js · gRPC · RAG · Agentic AI · Full-Stack Architecture · AI-Assisted Workflows · GSAP Animations · HTML5 · CSS3 · Git / GitHub · Cybersecurity Fundamentals · Branding

EDUCATION & CERTIFICATIONS

Diploma in Cybersecurity — OHSC Co.

High School Diploma — Narayana Group of Schools

Certifications: Python 101 (Kaggle) · Encoder-Decoder Architecture (Udacity)