

Himansu Rawal

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Portfolio: cod4m1.vercel.app | GitHub: github.com/Codimow | LinkedIn: in/codimo

Summary

Systems Programmer and Founder specialized in high-performance infrastructure and developer tooling. Expert in Go and TypeScript (Effect), with experience ranging from architecting unified payment layers (PayArk) to contributing to open-source gaming ecosystems with 50K+ active players. Focused on low-latency systems and type-safe distributed architectures.

Technical Skills

Languages: Go, TypeScript (Effect TS), C, JavaScript, SQL, Python

Systems & Backend: VCS Design, Payment Orchestration, Blake3 Hashing, Port Scanning, Bun, Hono

Infrastructure: Turborepo, Supabase, Redis, PostgreSQL, Docker, Cloudflare Edge

Specialized: Real-time Physics Simulation, Web Audio API, Financial Crowdfunding Logic, LLM Implementation

Professional Experience

Founder & Lead Engineer | *PayArk* Feb 2026 – Present *Demo:* payark-public-demo.vercel.app

- Engineering the unified settlement layer for Nepal, centralizing eSewa, Khalti, and ConnectIPS into one API.
- Optimized payment orchestration using Bun and Hono to achieve **sub-50ms** transaction latency.
- Shipped a 100% type-safe **Effect TS SDK** (@payark/sdk-effect) for robust merchant integration.

Open Source Contributor | *OpenFront* Jan 2026 – Present

- Contributing to an open-source game engine and ecosystem supporting **50,000+** active players.
- Collaborating on performance optimizations and feature parity within a high-traffic production environment.

Full Stack Developer (Contract) | *Bevels Creatives* Sep 2025 – Oct 2025

- Built an automated CRM and order fulfillment system for 50+ clients, reducing manual data entry by 90%.

Technical Projects

Astral (asl) | *Go, Blake3, Systems Programming* github.com/codimow/astral

- Built a blazingly fast VCS in Go utilizing **Blake3** hashing and a custom three-way merge algorithm.
- Designed content-addressable storage to handle object history with higher efficiency than traditional tools.

Sahara | *Next.js, TypeScript, Fintech* github.com/Codimow/sahara

- Developed an open-source crowdfunding platform focused on transparent fund distribution and user-friendly UX.

Blank-is-Open | *TypeScript, Effect TS, Networking* github.com/codimow/blank-is-open

- Created a production-grade port scanner CLI using **Effect** for type-safe resource management and retries.

Blank Physics & Blank Piano | *Creative Engineering*

- Engineered a fluid physics simulator in Effect and an artistic, low-latency piano using Web Audio API.

MeroPatro | *Open Source, Nepali Calendar* mero-patro.vercel.app

- Launched an ad-free, open-source Bikram Sambat calendar for the local Nepali developer community.

Education

Secondary Education | *STEM & Computer Science Emphasis*

Expected March 2026