

Rushikesh Patade

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SUMMARY

Full-stack developer and AI agent architect. Founding Engineer at **Soca**, prior Senior Engineer at **VectorShift** (YC S23): three years across Go, Rust, TypeScript, and Python. I ship fast with orchestrated AI agents (Claude Code + Codex) behind real verification.

EDUCATION

MIT World Peace University

Pune, Maharashtra, India

Bachelor of Technology, Computer Science and Engineering

July 2024

- CGPA: 9.58 / 10.00 · Coursework: OS, CN, OOP, RDBMS, Project Management, DSA, AI, ML

WORK EXPERIENCE

Soca

Hybrid

Founding Engineer, Jun 2026 – Present

Full-time

- Built and own the core matching engine: candidate generators, an LLM judge with reciprocity and facet-veto policy, and a constrained allocator, with an offline eval harness.
- Own the Postgres task queue: at-most-once claims, stale-job reclaim, and pool budgeting that closed exhaustion and silent match loss.
- Built the state layer (realtime sync bus over React Query + Zustand) and the admin surfaces on it: a curator console and a server-paginated Cost & Usage page.
- Built an LLM cost ledger enforcing spend (daily kill-switch, per-user caps), shipped Backed (a WebGL collectible-card product), and closed four concurrency races while owning releases.

VectorShift · YC S23

Remote · India

Senior Software Engineer, Jan 2025 – May 2026

Full-time

Senior Software Engineer (Jan 2026 – May 2026) · Software Engineer (Jan 2025 – Dec 2025)

- Founded the frontend citation system for an AI search product: cross-format highlighting across PDF/DOCX/Excel, message-level indices, and coordinate-accurate multi-page overlays.
- Primary owner of the document-viewer surface: PDF/DOCX/XLSX/PPTX rendering plus a server-side PPTX-to-PDF pipeline.
- Led the evaluations product: revamped the framework, built a scenario × test-case playground, founded the Evaluators module, and led Workbooks. Promoted to Senior within the year.
- Founded the Rust evaluator subsystem in a ~540k-line engine (axum / tokio), shipped a petgraph hot-path optimization, and parallelized config preprocessing to cut deploy time 25%.

Sage (formerly Fyle)

Remote

Member of Technical Staff, Jun 2023 – Dec 2024

Full-time

Member of Technical Staff (Jul 2024 – Dec 2024) · Frontend Engineer Intern (Jun 2023 – Dec 2023)

- Shipped 2 customer-facing features and 2 UX improvements in 4 months; owned frontend deployment releases.
- Developed E2E tests for a legacy page and migrated it to Angular with zero production issues.
- As an intern, shipped production fixes within days and a feature productizing recurring support requests, with strong usage in 2 days.

PROJECTS

fabri: self-improving agent engine

Apache-2.0 · PyPI · github.com/Rushour0/fabri

- Agents mine their own run traces into guidelines the next run retrieves, so they stop repeating mistakes. Hybrid BM25 + dense retrieval lifted recall@5 from 0.79 to 0.94 behind a CI eval gate; recursive sub-agents, per-model cost accounting, 5 providers, 1,000+ tests.

ludexel: prompt to playable Game Boy Advance ROM

ludexel.rushour0.com

- Python generators drive a hand-written C engine compiled via devkitARM to a real .gba, with regression tests against a live mGBA build. React/FastAPI surface, agent-driven pipeline.

SKILLS

Languages

Python, TypeScript, JavaScript, Go, Rust, C, C++, Dart, Assembly, Lua, Shell

Frameworks

React, Next.js, Angular, Node.js, Express.js, Django, Astro, Flutter, PyTorch, Vite

Databases

PostgreSQL, MySQL, Oracle SQL, MongoDB, Firestore, Qdrant, Pinecone, MinIO

Systems / CI-CD

GBA / devkitARM, UEFN / Verse, Docker, Kubernetes, GitHub Actions, Cloudflare

Practice

Multi-agent AI delivery (Claude Code + Codex), Agent orchestration, RAG, LLM tooling (OpenAI, Bedrock, Azure), Computer vision, Playwright / Jest testing

AWARDS & PRIZES

- Smart India Hackathon 2022** (2022): Winner, All India Rank 1 in a problem statement set by the Ministry of Education.
- Datathon @ Cummins College** (2024): Winner, ranked 1st out of 200 teams.
- IBM ReImagine** (2021): Finalist, top 150 among 38,000+ international teams.
- AWS x Riot Data Hackathon** (2024): Managed a 500GB dataset and processed it to vector embeddings.