

Mokshit Jain

Bengaluru, India • +91-7000209021 • mokshitjain18@gmail.com • [linkedin.com/in/mokshit-jain](https://www.linkedin.com/in/mokshit-jain) • github.com/mokbhai

Backend-focused Software Engineer with 1+ year of production experience building APIs, workflow-orchestration systems, and RAG pipelines in Python, FastAPI, PostgreSQL, Redis, and Temporal. Owns services end-to-end — from design through production incident resolution.

EXPERIENCE

DRCODE — Software Developer

Jul 2025 – Present

Remote · Full-time (Cooperative Education Program)

- Re-architected fragile cron-based pipelines into Temporal.io workflows with parallel execution, eliminating recurring failures — **0 production incidents** in the 2 months following migration.
- Cut **p95 API latency from ~800ms to ~120ms (~85%)** by introducing connection pooling and query indexing across hot database paths.
- Built a **pgvector-backed RAG pipeline with semantic caching** that significantly reduced LLM API costs; integrated OpenAI, Razorpay payments, and AWS S3.

Key client projects:

- **ArataAI** — AI compliance agent that reviews vendor submittals against engineering specs and produces cited, structured findings; designed a stage-by-stage accuracy evaluation harness.
- **FDC** — WhatsApp quotation bot that cut a 30-minute manual process to under 1 minute at **99% catalog-resolution accuracy**.
- **YourMitra** (yourmitra.com) — sole engineer on an AI storybook platform generating personalized stories (text, illustrations, narration); shipped **from 0 to live paying customers (4.8/5)**. Decoupled generation from delivery with Temporal.io workers, **cutting generation time from 20 minutes to 2**.
- **Urban Company** — real-time 3D product-visualization system with dynamic color-variant rendering, mapping product metadata to realistic material shades.

Stack: Python, Java, FastAPI, PostgreSQL, Redis, Temporal.io, Docker, AWS S3, OpenAI, ElevenLabs, CI/CD

DRCODE — Software Developer Intern

Apr 2025 – Jun 2025

Remote (Cooperative Education Program)

- Built an automated API regression suite (GitHub Actions, Pytest) covering **120+ endpoints**, running on every PR — removed ~3 hrs/week of manual QA.

Stack: Python, Java, React.js, GitHub Actions, Pytest, Agile/Scrum

PROJECTS

VOX — Native macOS AI Writing Tool | github.com/mokbhai/vox

Swift · XCTest · OpenAI APIs · NSServices

- Built a native macOS tool using NSServices and global hotkeys to rewrite selected text in-place across any app — with undo support and integrated speech-to-text, removing the copy-paste-back loop and saving ~50 mins/day.

TECHNICAL SKILLS

Languages: Python, Java

Backend & APIs: FastAPI, REST API design, RAG pipelines, Temporal.io workflow orchestration

DataBase: PostgreSQL, pgvector, MongoDB, Redis

Cloud & DevOps: AWS (S3, EC2, SQS), Docker, CI/CD, GitHub Actions

Tools: Git, Linux, Postman

CS Foundations: Data Structures & Algorithms, Low-Level Design, Multithreading & Concurrency, OS, DBMS, Computer Networks

EDUCATION

B.Tech, Computer Science & Engineering — Lovely Professional University Expected Jun 2026

GPA: 8.01/10 · Cooperative Education (Co-op): completed final year while working full-time at DRCODE.

ACHIEVEMENTS

- **Certificate of Recognition, DRCODE** — for ownership, reliability, and production incident resolution.
- **YourMitra rated 4.8/5** by customers.