

CHAITANYA PAWAR

Software Engineer – Java / Spring Boot | Web & API Development, Test Automation

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SUMMARY

Software engineer with ~2 years of hands-on experience building and shipping web applications and REST APIs (freelance since Dec 2024; EdTech SaaS startup since Aug 2026). Focused on correctness: validating input at the server, handling failure paths (payment and webhook failures, invalid data, client tampering), and tracing bugs to their root cause, including in open source. Builds with GenAI, from LLM-powered product features to daily development with AI coding agents (Claude Code, Google Antigravity). Strong problem-solver with 200+ DSA problems solved.

TECHNICAL SKILLS

Languages: Java, JavaScript, C++

Web & API: Spring Boot, Spring Security, REST APIs, Microservices, Node.js, Express.js, React

Testing & Quality: Selenium (UI test automation), Postman (API testing), server-side validation, edge-case handling, root-cause analysis, debugging, Agile / Scrum, CI/CD

GenAI: LLM APIs (Google Gemini, Groq / Llama 3.3), AI coding agents (Claude Code, Google Antigravity), prompt design for deterministic output

Data & Cloud: PostgreSQL, MongoDB, Redis, RabbitMQ, AWS, Docker, Git, Keycloak (OAuth2 / JWT)

CS Fundamentals: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

EXPERIENCE

Full Stack / Backend Developer | Zero — Pre-launch B2B EdTech SaaS (*Java 21, Spring Boot, AWS*) Aug 2026 – Present

- Implemented server-side timed tests with auto-grading; deadlines are enforced on the server so attempts cannot be extended by tampering with the client.
- Built a bulk CSV student import with row-level validation and per-row error reporting, so bad rows are flagged to the user instead of silently corrupting data; handles 200 students (4 classes × 50) in a single upload.
- Integrated Razorpay subscriptions for school billing, handling the full lifecycle (activation, renewal, cancellation) through webhook events, including failure and edge-case paths.

Freelance Full Stack Developer | Shri Venkatesh Pvt. Ltd. — Hardware Retail Dec 2024 – Present

- Built and maintain the company website and admin panel from scratch, with JWT-based authentication, letting the owner manage a 200+ product catalogue, reviews, contact details, and showroom images without developer help.
- Automated frontend UI testing of the company website with Selenium.
- Integrated a payment gateway with explicit success/failure handling and added B2B advance booking via email.

Open Source Contributor | Open Food Facts

- Traced a broken redirect to its root cause, a hardcoded return-URL domain, and fixed it with dynamic resolution; also shipped a feature letting users remove item pictures.

PROJECTS

LeetGPT — AI-Powered DSA Tutor | React, Node.js, Express.js, MongoDB, Groq (Llama 3.3 70B)

- Built and deployed (Vercel, Render) a full-stack GenAI tutor that guides users through DSA problems step by step, with persistent chat history and shareable public chat links.
- Designed a two-stage problem-detection pipeline: 43 regex patterns resolve known problems at zero API cost, with a deterministic LLM fallback (temperature 0, 20-token cap) so results are predictable and repeatable.
- Secured with Google OAuth 2.0 and bcrypt email/password login, JWT in HTTP-only cookies, Helmet, and rate limiting.

Fitness App Microservices Platform | Java, Spring Boot, Spring Cloud, Keycloak, RabbitMQ, Gemini API, Postman

- Built User, Activity, and AI Recommendation microservices behind a Spring Cloud Gateway, with Eureka discovery and a Config Server; the gateway validates Keycloak-issued JWTs and auto-registers users on first login.
- Used RabbitMQ for asynchronous processing: the AI service consumes activity events and generates recommendations with Google Gemini.
- Tested the services' REST APIs with Postman.

EDUCATION

B.Tech, Information Technology — Govt. College of Engineering, Sambhajinagar | 69%

2023 – 2027

ACHIEVEMENTS & LEADERSHIP

- Solved 200+ data structures and algorithms problems on LeetCode (C++).
- Head, Hackslash College Coding Club (2025–2026); Lead Organiser, National-Level Vibe Coding Hackathon (2026).
- Oracle DevOps Professional Certification; AI Fluency: Framework & Foundations (Anthropic).