

VAISHNAVI AGRAWAL

Java Backend Developer | Spring Boot · REST APIs · PostgreSQL

vaishnaviagrawal2999@gmail.com +91 95886 72254 Ahmedabad, India · Open to Relocation & Remote

Portfolio: vaishnaviagrawal12.github.io · GitHub: github.com/VaishnaviAgrawa12 · [LinkedIn](#) · [Medium](#)

SUMMARY

Java backend developer with a live, production-deployed Spring Boot REST API and 3 years of experience on production systems. Designed and built the Purchase Decision API end to end: Spring Security with JWT, a deterministic rule engine, and an LLM explanation layer with a rule-based fallback that always returns a valid response, backed by Spring Data JPA and PostgreSQL, containerised with Docker and shipped through a GitHub Actions CI/CD pipeline. Three years resolving production incidents on Java based REST APIs, including 100+ Level 2 issues at a RegTech platform, brings strong debugging, root cause analysis, and SQL skills.

TECHNICAL SKILLS

Languages: Java (Java 21), SQL

Frameworks & Libraries: Spring Boot 3, Spring Security, Spring Data JPA, Spring MVC, Hibernate

Databases: PostgreSQL, MySQL (Joins, Indexing, Query Optimisation)

Testing: JUnit 5, Mockito, Postman, Swagger / OpenAPI

DevOps & Tools: Docker, Git, GitHub Actions (CI/CD), Maven, IntelliJ IDEA, Linux (Bash, CLI)

Concepts: REST API Design, JWT Authentication & Authorization, Object-Oriented Programming (OOP), Data Structures & Algorithms, Layered Architecture, DTOs, Global Exception Handling, Root Cause Analysis, Agile

PROJECTS

Purchase Decision API [Live ↗](#) [Source ↗](#)

Java 21, Spring Boot 3, Spring Security + JWT, Spring Data JPA, PostgreSQL, Docker, GitHub Actions CI/CD

- Live, production REST API that scores a purchase against income, savings goals, and spending history, returning a BUY / WAIT / SKIP verdict and a savings timeline.
- **Two-layer design:** a deterministic rule engine computes the score and verdict; a separate LLM layer generates the human-readable explanation, so the verdict never depends on the model.
- **Graceful degradation:** when the LLM call fails, times out, or returns empty, a rule-based explanation takes over so the endpoint always returns a valid response. Verified by deliberately breaking the LLM call.
- JWT authentication via a Spring Security filter chain, global exception handling with @ControllerAdvice, JUnit 5 tests across the engine and calculators; Docker, Railway, GitHub Actions CI/CD, Swagger docs.

Patient Management System [Source ↗](#)

Java 21, Spring Boot, Spring Data JPA, PostgreSQL, JUnit 5

- Healthcare CRUD backend for patient records and appointments on a layered Controller-Service-Repository architecture, with request validation, global exception handling, and JUnit 5 tests over core service logic.

Library Management System [Source ↗](#)

Java 21, Spring Boot, Hibernate, MySQL, Docker, Swagger

- REST backend for book issuance and returns, student and admin records, and transaction history, implementing full CRUD with DTOs, request validation, and Swagger-documented endpoints, tested end to end via Postman.

EXPERIENCE

Celcius Logistics Aug 2025 - Present

Technical Support Engineer Aug 2025 - Present

- Support production logistics and order-processing applications: triage incidents, analyse application logs to isolate root causes, and coordinate with engineering teams on fixes.
- Monitor real-time, high-volume transaction flows and resolve incidents via Zoho Desk within SLA commitments; maintain SOPs that reduce repeat incidents.

ResourceDekho Jun 2023 - Aug 2025

Backend Developer Trainee Jun 2025 - Aug 2025

- Developed backend features in **Java and Node.js** within a team development environment, using shared version-control workflows.
- Contributed to structured code-review cycles, incorporating feedback from senior developers on service-side code.

Product Support Engineer Client: Signzy Jun 2023 - Jun 2025

- Resolved **100+ L2 incidents** on Java-based REST APIs at Signzy (RegTech / digital KYC), debugging payload mismatches, header failures, and authentication and vKYC workflow errors.
- Diagnosed production failures through logs and request/response flows alongside backend and DevOps teams; automated Bash log-triaging, **cutting manual debugging time by approximately 40%**.
- Authored SOPs and RCA documentation, **reducing escalations to development by 25%**.

EDUCATION & CERTIFICATIONS

Bachelor of Commerce | Yashwantrao Chavan Maharashtra Open University

- Java Backend Development (GeeksforGeeks) • Technical Support Certification (Masai School) • ICITSS, IT (ICAI)

Languages: English (Fluent), Hindi (Fluent)