# Ankur Goyal

**Software Development Engineer | Java • Spring Boot • AWS • Microservices**

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## SUMMARY

Backend-focused Software Development Engineer with 4+ years of experience building scalable microservices and distributed systems with Java, Spring Boot, AWS and PostgreSQL. Cut API latency by **40%** and raised throughput **1.5x** on a B2B analytics platform serving **5,000+ clients**. Strong in concurrency, RBAC and multi-tenant design, REST API design and algorithms (370+ LeetCode problems).

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, SQL
**Backend & Frameworks:** Spring Boot, REST APIs, Microservices, Java Concurrency, Next.js, React.js
**Databases & Messaging:** PostgreSQL, MySQL, MongoDB, Redis, Apache Kafka, WebSocket
**Cloud & DevOps:** AWS (EC2, Lambda, S3), Docker, Jenkins, GitHub Actions, Maven, Git, Linux
**Architecture:** Distributed Systems, System Design, Multi-tenancy, RBAC, Design Patterns, UML
**AI & Tools:** LLM API integration (Claude, ChatGPT, Gemini, Groq), JUnit, Postman, IntelliJ IDEA, JIRA, Cursor

## WORK EXPERIENCE

**Software Developer (SDE 1) — Enerlogs Analytics (Suryalogix Pvt. Ltd.)** Aug 2023 – Present

- Engineered an asynchronous API architecture with Java Concurrency, **reducing response latency by 40%**.
- Optimized core APIs using multithreading, async processing and caching, **boosting throughput 1.5x**.
- Architected and led the Role-Based Access Control (RBAC) module for **5,000+ B2B clients**, ensuring secure tenant data isolation.
- Built a drag-and-drop CMS enabling **50+ non-technical users** to manage **1,000+ dashboard pages** daily.
- Developed real-time industrial analytics dashboards for data-driven decision-making.
- Led code reviews and set review standards, **reducing bug reports by 25%**. Recipient of the “Goes the Extra Mile” award.

**Software Developer (SDE 1) — Jain Software** Apr 2022 – May 2023

- Designed and delivered an end-to-end ERP solution with custom billing, attendance and payroll modules.
- Built a Python automation tool that **saved 400 man-hours per month**.
- Developed a WebGL 3D glasses virtual try-on feature, plus web scraping tools and responsive web portals.

**Freelance Full-Stack Web Developer** Mar 2021 – Mar 2022

- Delivered production websites and e-commerce/gifting portals for commercial clients (e.g., anniversarylab.com, thepappu.com).

## KEY PROJECTS

**Opening Stock — Multi-Tenant Business Management Platform (openingstock.in)**
*Java, Spring Boot, AWS, PostgreSQL, Redis, Kafka, WebSocket*

- Architected a multi-tenant SaaS dashboard with RBAC, data visualization and bulk import/export.
- Implemented Kafka-based async processing, Redis caching and WebSocket real-time updates.
- Tuned AWS autoscaling and resource usage to improve scalability and reduce infrastructure cost.

**Swarnahub — B2B E-Commerce Platform (swarnahub.com)**
*Next.js, JavaScript, Payment Gateway APIs*

- Built a B2B catalogue integrated with Opening Stock for centralized inventory control.
- Implemented authentication, cart, checkout and payment APIs, **improving checkout and payment monitoring efficiency by 30%**.
- Streamlined order management and inventory sync, **cutting order-processing time by 40%**.

**Miri — AI Discord Bot & RPG Engine**
*Java, Spring Boot, JDA, PostgreSQL, LLM APIs*

- Built an event-driven bot with LLM-powered conversations, slash commands and async command routing.
- Designed a persistent RPG system (combat, stats, economy, inventory, leaderboards) using Spring services and repository-based data access.

## EDUCATION & CREDENTIALS

- **M.S. in Computer Science** — Woolf University (expected 2027)
- **Certifications:** AWS Certified Cloud Practitioner (GeeksforGeeks); Cloud Computing, Data Structures & Algorithms using Java, OO System Development using UML/Java/Patterns (IIT Kharagpur); Competitive Programming (IIT Gandhinagar); Google UI/UX Professional (Coursera)
- **Open Source:** Mod Block (npmjs.com/package/modblock) — React + Tailwind UI library