ANMOL AGARWAL
Software Development Engineer
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Career Objective

Backend-focused Software Engineer with **3+ years of experience** in designing and developing scalable applications using **Java, Spring Boot, REST APIs, PostgreSQL, and AWS**. Strong foundation in **data structures and algorithms, system design, and cloud integration**. Passionate about building reliable backend services and exploring modern technologies in microservices, distributed systems, and cloud-native architectures.

Technical Skills

- **Programming Languages:** Java, JavaScript
- **Backend:** Spring Boot, Hibernate/JPA, REST APIs, Spring Security, JUnit/Mockito, Selenium
- **Databases:** PostgreSQL, MySQL
- **Cloud / DevOps:** AWS (S3, Secrets Manager, STS), Docker, CI/CD basics
- **Familiar / Exposure:** MERN stack (MongoDB, Express, React, Node.js)
- **Concepts:** OOP, Strong DSA, Agile/Scrum

Experience

Software Engineer
Innova Solutions, Noida, UP   **(Jun 22-Present)**

HealthCare Business Solutions – Comforce

- **Led the design and implementation of Audit HBS**: a Spring Boot backend platform for ingesting audit logs, **validating healthcare codes (APR-DRG/MS-DRG)**, and producing productivity and audit reports. Improved **query performance by ~25%** through custom DTOs and JPA Specifications
- Designed and implemented a **resilient file-ingestion pipeline (Excel/CSV → DB)** with row-level validation, centralized exception handling, and duplicate-file prevention; **integrated AWS S3 for archival and uploader tracking — reduced ingestion failures by ~30% and cut reprocessing effort by ~25%.**
- Implemented and owned two reporting **microservices (Productivity & Audit)** accepting dynamic JSON filters (consultant, facility, date-range, activity-type) and **returning paginated**, sorted results. Optimized slow queries and **reduced average report latency from ~12s to ~3s.**
- Implemented secure password-reset flow with **unique 6-digit tokens, JWT-based validation,** salted hashing, and refresh/bearer tokens **(15-min expiry)**. Strengthened authentication security, reduced password reset failures **by ~35%, and ensured 100% self-service flow** without admin intervention.
- Integrated AWS Secrets Manager and STS for credential management and rotation, removing hardcoded secrets and simplifying ops workflows.
- Developed a **React**-based internal page for **Audit HBS** (single-page view) to preview report data and support QA; collaborated with frontend team to define API contracts and **fix CORS/auth** issues **via HttpSecurity** configurations.
- **Set up CI/CD with GitHub Actions** for build, test, and deploy of Spring Boot services; **automated tests and artifact generation**, cutting manual deployment effort by **~40%.**

FMS Logistics — Web-scraping & T&T Automation

- **Designed and maintained 35+ logistics tracking and pricing applications** using **Selenium, REST APIs, and Spring Scheduler** for Track & Trace and Rate/Quotation features; integrated with backend APIs, built templated parsers, and implemented **CAPTCHA bypass** to ensure continuous, real-time data updates — improving data freshness by ~40% and reducing latency from ~15s to ~5s.

Projects

Transport Management System

- **Built a transport route-optimization prototype** in **Java** using **graph algorithms** (traversal, Dijkstra's, priority queues). Exposed **REST APIs** to return optimized shipment routes under scheduling and capacity constraints.

Education

Bachelor of Technology   (2018-2022)
GLA University, Mathura, Uttar Pradesh

Achievements

- President, IoT Club, GLA University — organized seminars and hands-on workshops.   (2021-2022)
- 2nd Runner-up, IBM ICE Day technical presentation   (Sep 2019)