Anmol Agarwal

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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(JWT, OAuth), JUnit/Mockito, Selenium
- **Databases:** PostgreSQL, MySQL
- **Cloud / DevOps:** AWS (S3, Secrets Manager, STS), Docker, GitHub Actions, CI/CD basics
- **Familiar / Exposure:** MERN stack (MongoDB, Express, React, Node.js)
- **Concepts:** OOP, Strong DSA, Microservices, Agile/Scrum

Experience

Innova Solutions, Noida, UP   (June 22 - October 25)
Client - HealthCare Business Solutions – Comforce   (January 24 - October 25)

- Led the design and implementation of **Audit HBS:** a Spring Boot platform for ingesting audit logs, validating **healthcare codes (APR-DRG/MS-DRG)**, and generating productivity/audit reports; improved query performance **by ~25%** through custom DTOs and JPA Specifications.
- Designed resilient **file-ingestion pipeline (Excel/CSV → DB)** with row-level validation, exception handling, and duplicate prevention; **integrated AWS S3** for archival—**reduced failures by ~30% and reprocessing by ~25%.**
- Implemented two reporting microservices (Productivity & Audit) accepting **dynamic JSON filters** and **returning paginated, sorted results**; optimized slow queries and **reduced average report latency from ~12s to ~3s.**
- Implemented **JWT-based authentication** with password-reset flow, role-based access control, token generation, and salted hashing (15-min expiry); **reduced failures by ~35%** and **achieved 100% self-service**.
- Integrated **AWS Secrets Manager and STS for credential management and rotation,** removing hardcoded secrets and simplifying ops workflows.
- Developed a **React-based internal page (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%.**

Client - FMS Logistics — Web-scraping & T&T Automation   (July-22 - December 23)

- Designed and **maintained 35+ logistics** tracking and pricing applications using Selenium, REST APIs, and Spring Scheduler for Track & Trace and Rate/Quotation features; **implemented CAPTCHA bypass** and templated parsers ensuring real-time data updates — improving **data freshness by ~40%** and **reducing latency from ~15s to ~6s.**

Projects

- Developed **Healthcare Claim Management** platform using Spring Boot, PostgreSQL, and JWT with role-based access (Admin/Coder/Reviewer/Auditor); implemented secure authentication with BCrypt encryption, token refresh, RESTful APIs for claim lifecycle management, and comprehensive reporting with date/status filtering via Hibernate/JPA, Spring Security, and Swagger documentation.

Education

B.Tech in Computer Science GLA University, Mathura, Uttar Pradesh   (2018-2022)