

ADITYAM SRIVASTAVA

Java Backend Developer

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SUMMARY

Java Backend Developer with a strong foundation in Core Java, multithreading, and Spring Boot. Experienced in designing secure, scalable REST APIs with JWT authentication, normalized PostgreSQL schemas, and concurrency-safe transactions using optimistic locking. Solved real-world engineering problems including geospatial querying with PostGIS, N+1 query optimization, and LLM integration (Groq/Gemini). 150+ DSA problems solved on GeeksforGeeks.

SKILLS

LANGUAGES: Java (Java 8+ Streams, Lambdas, Multithreading), SQL, JavaScript, Kotlin, Python, C++

BACKEND: Spring Boot 3, Spring Security, Spring Data JPA, Hibernate, Spring MVC, Spring AOP, JDBC, Servlets, REST APIs, JWT, Maven

DATABASES: PostgreSQL, PostGIS, MongoDB, Firebase Firestore, DBMS

AI & AUTOMATION: Groq API, Google Gemini API, LLM Integration, Selenium WebDriver

TOOLS: Git, GitHub, Postman, Linux (Terminal/Shell), Swagger/OpenAPI, VS Code

CONCEPTS: Data Structures & Algorithms, OOP, Design Patterns, Microservices Basics, Optimistic Locking, Domain-Driven Design

PROJECTS

Auto-Apply AI Agent | Java, Spring Boot, Selenium, Groq/Gemini LLMs, JavaScript Jul 2026 – Aug 2026

- Architected an autonomous AI-driven web agent using Spring Boot and Selenium to navigate complex React-based UIs and dynamic recruiter chatbots.
- Integrated Groq/Gemini LLM APIs with a custom 3-layer JSON parser (Direct, Comma-Fix, Regex) to handle LLM hallucinations, achieving 100% parsing reliability.
- Executed deep JavaScript injections (PointerEvent/MouseEvent dispatch) to overcome React's synthetic event traps and readonly input fields.
- Implemented state-driven DOM polling and volatile thread-safe control flows (Pause/Resume/Stop), replacing brittle sleep delays and handling server errors gracefully.

TransitBooking — Smart Ticketing System | Java 17, Spring Boot 3, Spring Security 6, PostgreSQL

Jan 2026 – Apr 2026

- Architected a production-ready booking REST API with database-backed authentication, BCrypt password hashing, and role-based access control (ADMIN/USER).
- Solved double-booking race conditions using @Version optimistic locking on seat entities, ensuring safe ticket allocation under concurrent requests.
- Eliminated N+1 query problems using JOIN FETCH and @EntityGraph; implemented pagination and sorting via Pageable for large datasets.
- Applied the DTO pattern with Jakarta Bean Validation (@Valid) and centralized exception handling via @RestControllerAdvice.

FarmYukti Backend — Spatial Agri-Tech Marketplace | Java 17, Spring Boot, PostgreSQL, PostGIS, JWT, Hibernate

Oct 2025 – Jan 2026

- Developed a secure, spatially-aware marketplace backend for a farmer-buyer platform on a normalized 6-table PostgreSQL schema, documented with OpenAPI 3.0/Swagger.
- Engineered a geospatial land registry using PostGIS and Hibernate Spatial, mapping farm boundaries from GPS coordinates (SRID 4326) with land ownership verification.
- Implemented proximity-based discovery using ST_DWithin spatial queries, enabling buyers to find crop listings within a configurable radius.
- Built 15+ REST API endpoints with JWT authentication and RBAC (Farmer/Buyer) roles; atomic inventory transactions prevent overselling, with average response time under 250ms.
- Collaborated with a teammate who built the Android client consuming these REST APIs.

Customer Relationship Management (CRM) API | Java, Spring Boot, Spring Security, JWT, PostgreSQL, Hibernate

Nov 2025 – Dec 2025

- Built a production-grade CRM REST API following Domain-Driven Design (DDD) with strict N-Tier architecture (Controller → Service → Repository) and @Transactional boundaries.
- Implemented stateless JWT authentication with BCrypt password hashing and method-level security (@PreAuthorize), restricting destructive endpoints to ADMIN roles.
- Enforced the DTO pattern to decouple entities from API payloads, preventing over-posting vulnerabilities; added Jakarta Bean Validation and centralized error handling via @ControllerAdvice.
- Modeled real sales workflows: paginated and searchable customer endpoints, interaction logging (calls, emails, meetings), and deal-stage transitions across the pipeline.

EDUCATION

Bachelor of Technology — Computer Science and Engineering

Oct 2022 – Jun 2026

Hemvati Nandan Bahuguna Garhwal Central University (Uttarakhand)

Relevant Coursework: Data Structures, Algorithms, Software Engineering, Database Systems, Operating Systems.

Higher Secondary Certificate (HSC)

Apr 2019 – Apr 2020

Sarvodaya Bal Vidyalaya (Delhi) — Physics, Chemistry, Mathematics

ADDITIONAL INFORMATION

- **Coding Profile:** 150+ Data Structures & Algorithms problems solved on [GeeksforGeeks](#).
- **Courses:** Complete SQL + Databases Bootcamp (ZTM), AI Course (TechBurner), Android App Development (Coding Blocks).