

MD IBRAN ALAM

Java Backend Developer — Spring Boot — Microservices — AWS

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PROFESSIONAL SUMMARY

Java Backend Developer with over **3 years of hands-on experience** building backend services using **Java and Spring Boot**. Experienced in creating secure APIs, working with relational databases, and deploying applications on **AWS**. Known for improving system stability, optimizing database interactions, and delivering reliable backend solutions in Agile teams.

EDUCATION

Bachelor of Technology (B.Tech)

Shershah Engineering College(Bihar Engineering University)

TECHNICAL SKILLS

Programming Languages: Java, Object-Oriented Programming (OOP)

Backend Frameworks: Spring Boot, Spring MVC, Spring Security

Microservices: REST APIs, Feign Client, REST Template, API Gateway Concepts

ORM & Persistence: Hibernate, JPA, Spring Data JPA

Databases: MySQL, PostgreSQL (basic), JDBC

Cloud & DevOps: AWS (EC2, ECS), Docker (basic), CI/CD Concepts, Kubernetes, Jenkins

Security: JWT Authentication, Role-Based Access Control

Testing: JUnit, API Testing with Postman

Version Control: Git, GitHub

Methodologies: Agile, Scrum

EXPERIENCE

Java Backend Developer

Aaludra Technology Pvt Ltd

Jan 2023 – Present

- Worked on backend development using **Java and Spring Boot** to build business-critical services used in production.
- Created REST endpoints with support for filtering, sorting, and pagination, improving data access efficiency.
- Applied **JWT-based security** using Spring Security to restrict access and protect APIs.
- Used **Feign Client** to enable communication between internal and third party services within the system.
- Wrote unit and integration tests using JUnit, helping reduce recurring issues in production.
- Assisted in deploying applications on **AWS EC2 and ECS** and resolving environment-related issues.
- Improved database performance by tuning SQL queries and restructuring tables where required.
- Followed **Agile Scrum** practices and actively participated in sprint planning and reviews.
- Coordinated with QA and product teams to understand requirements and deliver backend features.
- Developed and deployed a software update, resulting in a 30% reduction in system errors and improving application performance by 25%.

- Collaborated with cross-functional teams, contributing technical insights and enhancing the overall development process and in improving customer satisfaction, resulting in a 50% increase in positive feedback and a 20% reduction in complaints.

PROJECTS

Transaction Management & Payment Processing System

A scalable backend system designed to handle high-volume financial transactions with strong consistency, security, and fault tolerance using Spring Boot microservices.

- Designed and developed **Spring Boot microservices** to manage the complete transaction lifecycle including initiation, validation, authorization, settlement, and reconciliation.
- Executed **Spring Transaction Management (@Transactional)** to ensure **ACID compliance** and reliable rollback handling across multiple database operations.
- Developed secure **RESTful APIs** protected using **Spring Security with JWT authentication** and role-based access control.
- Designed optimized **MySQL database schemas**, indexing strategies, and query optimizations for high-throughput transaction processing.
- Orchestrated event-driven transaction notifications using Apache Kafka.
- Implemented **idempotent APIs** to prevent duplicate transaction processing during retries or network failures.
- Integrated **third-party payment gateways** and handled asynchronous callbacks and webhooks with secure validation.
- Implemented **global exception handling**, structured logging, and audit-friendly transaction tracking.
- Deployed backend services on **AWS EC2** and monitored transaction success and failure metrics.

Realtor – Real Estate Platform (US Market)

A web-based real estate platform enabling direct property transactions between owners and tenants/buyers.

- Developed backend services using **Spring Boot microservices** architecture.
- Designed secure **REST APIs** with validation, pagination, and JWT-based authentication.
- Integrated **third-party services** such as payment gateways and SMS APIs.
- Implemented **Spring Security** for authentication and authorization.
- Applied design patterns to improve system scalability and maintainability.
- Implemented centralized logging and monitoring for real-time application health tracking.

TOOLS

IDEs:	IntelliJ IDEA, Eclipse IDE, Spring Tool Suite, VS Code
Application Server:	Apache Tomcat 9
Cloud Platform:	AWS
DevOps & Containerization:	Docker, Kubernetes, Jenkins
Infrastructure & Automation:	Terraform, Ansible
Operating Systems & Scripting:	Linux, Shell Scripting
Database Tools:	MySQL Workbench, PG Admin, MongoDB Compass
API Tools:	Postman, Swagger
Version Control:	Git, GitHub