

Rakesh Patoju | Senior Java Backend Developer

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 [LinkedIn](#) |  [GitHub](#) |  [Portfolio](#)

WORK EXPERIENCE

Software Developer | Envision Enterprise Solutions

- Java Backend Developer with 3+ years of hands-on experience in designing and developing scalable, enterprise-grade applications using Spring Boot and Microservices architecture.
- Implementing API Gateway for Centralized Routing and Security Management across services.
- Improved system performance by 30% through database query optimization and Redis caching, while integrating Kafka for asynchronous event-driven communication across microservices.
- Enhanced system reliability by applying Circuit Breaker (Resilience4j) and retry mechanisms to handle service failures and ensure fault tolerance.
- Containerized applications using Docker and deployed them on Kubernetes while managing AWS (EC2, RDS, S3, IAM), automating CI/CD pipelines with Jenkins to reduce deployment effort by 40% and ensuring 99%+ production availability through proactive monitoring and root cause analysis.

SKILLS SUMMARY

- Programming Languages:** Java (8, 17), JavaScript
- Backend Technologies:** Spring Boot, Spring MVC, Hibernate, Microservices Architecture, RESTful APIs, CORS Configuration.
- Event-Driven & Integration:** Apache Kafka, API Integration, Service-to-Service Communication
- Databases:** MySQL PostgreSQL Microsoft SQL Server
- Frontend Exposure:** React.js, Vue.js (basic integration with backend APIs)
- Cloud & DevOps:** AWS (EC2, S3, IAM, RDS, Lambda), Docker, Kubernetes, Jenkins (CI/CD Pipelines), Git, GitLab, Maven.
- Testing & Code Quality:** Junit, Mockito, Jacoco, SonarQube (Basic knowledge)
- Monitoring & Logging:** ELK Stack, Application logging & production monitoring.

PROJECTS

Container Freight Station (CFS)

Jan 2024 – Dec 2025.

Clients: Marigold Logistics Private Limited, Sravan Shipping Private Limited

Tech Stack: Java, Spring Boot, Microservices, REST APIs, SQL Server, MySQL, Docker, Kubernetes, Jenkins, GitLab, Vue.js

- Developed Spring Boot Microservices to Manage Freight tracking, scheduling, and warehouse operations, ensuring modular and maintainable backend architecture.
- Integrated GPS/IoT data to enable real-time shipment tracking and automated status updates, improving operational visibility.
- Implemented billing workflows with optimized database handling, containerized applications using Docker, deployed via Kubernetes, and automated CI/CD pipelines with Jenkins for reliable production releases.

Container Terminal Operating System (CTOS)

Jan 2023 – Dec 2023

Clients: Ridha Traders, Adani Yanam International Terminal Container Limited (AYITCL)

Tech Stack: Java, Spring Boot, REST APIs, MySQL, Docker, Kubernetes, Jenkins, GitLab, Vue.js

- Developed and maintained a monolithic Spring Boot application for freight tracking, scheduling, and warehouse management, improving overall system efficiency and maintainability.
- Implemented core business logic with optimized database queries and proactive monitoring to enhance application performance and reliability.
- Streamlined DevOps processes by automating CI/CD pipelines and collaborating with cross-functional teams to ensure stable and timely production deployments.

EDUCATION

Jogaiah Institute of Technologies and Sciences, Palakollu, Andhra Pradesh

May 2022

Bachelor of Technology in Mechanical Engineering (JNTUK)

CERTIFICATIONS & ACCOMPLISHMENTS

- Java (Hacker Rank Certified)
- Spring Boot & Microservices (Hands-on Projects, Self-Learning)
- Docker & Kubernetes (Self-Learning, Practical Implementation)
- AWS Cloud Fundamentals (EC2, S3, IAM, RDS, Lambda) – Self-Learning.