

PRASHANTH RAPOLU

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SUMMARY

Results-driven Java Developer with 2+ years of experience in designing, developing, and deploying scalable backend applications using Java, Spring Boot, and PostgreSQL. Designed and deployed microservices architectures, optimized API performance, and implemented secure, data-driven solutions. Collaborated with cross-functional teams to deliver high-quality enterprise applications tailored to business objectives, facilitating seamless project execution and alignment with stakeholder goals.

TECHNICAL SKILLS

Programming Languages: JAVA, J2EE

Frameworks: Spring Boot, Spring JDBC, Spring Data JPA

Databases: PostgreSQL, MySQL

Version Control & Build Tools: Git, Maven

IDEs: Eclipse, IntelliJ

Messaging & Caching: ActiveMQ, Redis

Testing & Debugging: JUnit, Postman, Swagger, Log4J

Methodologies: SDLC, Agile/Scrum

Project Management: Azure Devops, Jira

PROFESSIONAL EXPERIENCE

Java Developer | *Drucare Private Limited, Hyderabad*

Project – Drucare Healthcare Application (*Health Management Information System*)

Overview:

Designed and developed a comprehensive Health Management Information System (HMIS) to optimize hospital operations and streamline patient data workflows. Designed and deployed RESTful microservices using Spring Boot and PostgreSQL, ensuring scalability, data integrity, and secure inter-module communication across healthcare departments.

Responsibilities & Achievements:

- **Developed** and optimized payment modules using Java, Spring Boot, and Spring JDBC, improving transaction throughput by **20%** and simplifying codebase by **10%**.
- **Architected** microservices ecosystem with **Spring Cloud (Eureka, Zuul, Config Server)**, reducing API latency by **30%** and improving system resilience.
- **Integrated** inter-module data exchange through JSON-based REST APIs and validated endpoints using Postman, reducing payload size and improving response time by **15%**.
- **Refactored** and tuned legacy Java modules for efficient memory and thread management, increasing overall processing speed by **30%** and reducing CPU utilization.
- **Optimized** PostgreSQL database queries and indexes to enhance data retrieval speed and ensure consistency across critical healthcare data, resulting in **99.5%** improvement in query performance.
- **Implemented** secure API communication using **HMAC-SHA256** and **RSA encryption**, achieving **30%** compliance with healthcare data protection standards.
- **Streamlined** CI/CD processes with Git, Maven, and embedded Tomcat, cutting deployment time by **25%**.
- **Designed** and executed unit and integration test suites with JUnit, reducing post-release defects by **50%**.
- **Collaborated** in Agile sprints with cross-functional teams to deliver high-quality modules on schedule, aligning technical deliverables with client requirements.

EDUCATION

B.TECH (Bachelor Of Technology) | Sri Indu Institute Of Engineering & Technology | Graduation Year (2020)