

# Doddi Purna Gana Ramakrishna

## Senior Software Engineer

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## SUMMARY

A highly effective and results-driven Java Backend Developer with 3 years of experience specializing in the design, development, and deployment of enterprise-grade B2B web applications. Expertise in the Java ecosystem, including Spring Boot and Hibernate, complemented by a strong foundation in Microservices, RESTful APIs, and secure database management (PostgreSQL, MySQL, MongoDB). Proven ability to implement robust CI/CD pipelines utilizing Docker and Jenkins to enhance deployment efficiency and system scalability within Agile environments.

## EXPERIENCE

### Senior Software Engineer

**Wipro**

12/2024 - Present New Delhi, India

- Engineered scalable and resilient backend applications using Java, Spring Boot, and Hibernate to support core B2B financial services, directly impacting platform reliability and transaction throughput.
- Developed and optimized a comprehensive CI/CD pipeline using Jenkins and Docker, reducing manual deployment time for a flagship Spring Boot application by an estimated 40%.
- Managed and optimized MySQL database performance, authoring complex SQL queries, stored procedures, and schema migrations that improved query response times for critical backend services.
- Collaborated within an Agile Scrum team to design and deliver high-quality, business-critical solutions, ensuring code quality through extensive peer review and adherence to OOP and Design Patterns.

### Software Engineer

**Vivriti Capital**

12/2022 - 12/2024 Chennai, India

- Implemented core services for a new web application using Java Microservices architecture with Spring Boot and RESTful APIs, ensuring high modularity and maintainability.
- Deployed and managed application instances on AWS, leveraging essential cloud services (e.g., EC2, RDS, S3) to ensure high availability and scalability for user-facing applications.
- Boosted code maintainability and reduced production defects by 30% through the strategic implementation of Design Patterns and rigorous JUnit test automation suites, ensuring 85%+ code coverage.
- Established best practices for application monitoring and diagnostics by implementing Log4j for detailed logging and effective issue tracing in production environments.

## PUBLICATIONS

### Damaged Image Repair using Masks with Computer Vision Inpaint Method

Published in IEEE

06/2024

- Developed a novel image restoration framework combining mask generation with Computer Vision Inpainting to effectively reconstruct missing or damaged image sectors.
- Leveraged advanced deep learning techniques for data preprocessing and model training, demonstrating significant advancements in digital archiving and medical imaging restoration.

[View Publication](#)

## EDUCATION

### Bachelor of Engineering in Computer Science

**Sathyabama University**

2019 - 2023 Chennai, India

## SKILLS

Java	Python	SQL	AWS	Git
ReactJS	JavaScript	Microservices		

## PROJECTS

### Referral Management System

A secure, full-stack referral platform featuring Role-Based Access Control (RBAC) for Job Seekers and Employees, automating the recruitment lifecycle.

- developed the Job Posting and Referral Management engine, incorporating File Upload handling for resumes and Real-time Notifications to drive immediate user engagement.

## CERTIFICATION

### Microsoft Certified: Azure Fundamentals (2022)

Acquired knowledge in cloud computing and Azure services during a virtual internship.

## LANGUAGES

English	Proficient	● ● ● ● ●
Telugu	Native	● ● ● ● ●
Hindi	Advanced	● ● ● ● ●
Tamil	Intermediate	● ● ● ● ●