

# 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	●●●●●