

# VAMSHI KRISHNA MUGALA

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## PROFESSIONAL SUMMARY

Java software engineer Backend / Microservices with 2.5 years of experience building and deploying Spring Boot microservices and RESTful APIs for enterprise applications. Expertise in Spring Cloud, service discovery (Eureka), API Gateway, OAuth2/JWT security, Kafka-based event-driven systems. Improved API performance by 85% through multithreading and database/query optimizations; reduced deployment time by 40% by automating build-test-release pipelines. Experienced across full SDLC in Agile/Scrum environments.

## TECHNICAL SKILLS

**Programming:** Java, SQL, JavaScript, Angular, HTML5, CSS3, JSON, XML.

**Backend:** Spring Boot, Spring Data JPA, Spring Security(JWT,Open Auth), Hibernate.

**Microservices:** Spring Cloud Eureka, API Gateway, Feign Client, WebClient.

**Messaging:** Apache Kafka, CDC, Rabbit MQ.

**Databases/Caching:** MySQL, PostgreSQL, Oracle, MongoDB, Redis.

**DevOps/Cloud:** Git, Github, Maven, Docker, Docker Compose, AWS (EC2), Jenkins, Kubernetes.

**Testing/Tools:** JUnit, Postman, Swagger, IntelliJ, Jmeter.

**Integrations:** Razorpay, SMTP/JavaMail.

## PROFESSIONAL EXPERIENCE

**Software Engineer | Solix Soft Tech - Hyderabad | 2023 Dec - Present**

### Roles & Responsibilities

- Designed and developed **25+ RESTful APIs** using Spring Boot to support dynamic frontend features, reducing UI load time by **30%** through optimized response handling.
- Collaborated with UI/UX teams and product owners to translate business requirements into scalable API designs, improving feature delivery speed by **20%**.
- Identified and resolved **10+ production defects**, reducing critical incidents by **95%** and improving stability.
- Wrote comprehensive unit and integration tests using JUnit5, increasing code coverage from **60% to 85%** and reducing regression issues.
- Optimized database queries improving backend performance by **85%** under high-load scenarios.
- Worked closely with frontend developers to streamline API contracts, decreasing integration issues by **40%** during release cycles.
- Work with different relational databases & file systems like Oracle, MySQL, PostgreSQL, FTP, CIFS, SFTP, etc.
- Ensure code is secure and follows industry-standard security practices.
- Maintained clear documentation of service, APIs processes, reducing developer onboarding time by **25%**.
- Stay up-to-date with the latest Java-related technologies, frameworks, and best practices.
- Actively participated in Agile ceremonies (daily standups, sprint planning), contributing to **95% sprint completion rate** across releases and Experiment with new tools and libraries to improve project development.

## PROJECTS

### 1. Solix Common Data Platform (Microservice) : Data Masking

**Tech:** Java, Spring Boot, Spring Security (JWT), Webclients, Mutithreading MySQL, Docker, Docker Compose.

- Worked on the Data Masking microservice in Solix Common Data Platform, implementing advanced masking techniques for both structured and unstructured data across diverse data sources.
- Automated rule-based masking solutions for databases including MySQL, SQL Server, PostgreSQL, Oracle, and Hive, as well as unstructured files stored in LFS, CIFS, FTP, SFTP, Azure, and SharePoint. Designed configurable masking rules to protect sensitive information while maintaining data usability across environments.

### 2. Zomato Food Ordering Application (Microservices)

**Tech:** Java, Spring Boot, Spring Security (OAuth2, JWT, OTP based), SMTP, Kafka,CDC(Debizium) MySQL, Docker Compose, Jenkins.

- Engineered a scalable food ordering system with event-driven communication using Kafka and Debezium CDC for near real-time order and inventory synchronization. Implemented secure authentication (OAuth2, JWT, OTP), integrated Razorpay for digital payments, and automated transactional email workflows.
- Containerized 6+ services using Docker Compose, improving deployment consistency and reducing setup time significantly.

### 3. Kanban Board Project Management System

**Tech:** Java, SpringBoot, SpringSecurity(JWT), FiegnClients, RabbitMQ, MySQL, Docker, Docker Compose, AWS(Ec2).

- Created a task management platform with JWT-secured REST APIs for boards, tasks, and user workflows. Enabled asynchronous messaging with RabbitMQ and service-to-service communication via Feign Clients.
- Deployed containerized services on AWS EC2, ensuring environment consistency, scalability, and streamlined release cycles.

## EDUCATION

B.Tech (Electrical and Electronics Engineering) | JITS-JNTUH hyderabad | 2021

## CERTIFICATIONS

- Software Engineer – NIIT
- Java (Basic) – HackerRank
- SQL (Basic) – HackerRank

