

# Mohan S

## Full Stack Java Developer

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### SUMMARY

- Full Stack Developer with experience in developing enterprise and banking applications using Java, Spring Boot, Angular, and PostgreSQL.
- Proficient in designing and implementing microservices, REST APIs, and event-driven systems with Kafka and RabbitMQ for high-volume, reliable transaction processing.
- Expertise in database management with PostgreSQL, MySQL, and Oracle, applying indexing and optimization to enhance performance and ensure data integrity.
- Demonstrated ability in applying Spring Security, OAuth 2.0, Veracode, SonarQube, and JaCoCo to strengthen security, code quality, and test coverage.
- Proficient in writing unit and integration tests using frameworks such as Jasmine, JUnit, Mockito, and Cucumber, ensuring high code quality and reliability of both frontend and backend components.
- Experienced in CI/CD pipelines using Git, GitLab, Jenkins, and Docker, with exposure to cloud deployments on AWS (EC2, RDS) and monitoring tools such as Postman, Splunk, and Geneva in Agile/Scrum environments.

### SKILLS

Programming Languages:	Java, Python, C, SQL,
Frameworks:	Hibernate, Spring Boot, Spring Security, Spring AOP, Spring Core, Spring MVC, Spring IoC, Angular 12, React.js,
Web Technologies:	HTML5, CSS3, jQuery, Bootstrap, XML, JSON, Material UI, SASS, TypeScript, RESTful APIs
Java/J2EE Technologies:	Servlets, JPA, JDBC, JSP, JSTL, Webservices, Microservices
Database:	Oracle SQL, MySQL, MongoDB, PostgreSQL, PL/SQL
Cloud Platforms:	AWS (EKS, ALB, EC2, RDS), Pivotal Cloud Foundry (PCF)
IDEs:	Visual Studio Code, Eclipse IDE, IntelliJ IDEA, Spring Tool Suite (STS)
Web/Application Servers:	Oracle WebLogic, Apache Tomcat 8.0
Testing Tools:	JUnit, Mockito, Cucumber, Jasmine, Postman, Veracode, SonarQube, JaCoCo, Cypress
Build/ Other Tools:	Git, GitLab, Jenkins, Maven, Gradle, Docker, Kubernetes
Monitoring & Logging:	Splunk, Jira, Swagger, Geneva
Methodologies:	SDLC, Agile, Waterfall, SCRUM

### PROFESSIONAL EXPERIENCE

#### Student Web Developer (Part-time) | Missouri State University, USA

Jan 2025 - Present

- Build and maintain responsive UI for internal web apps using HTML, CSS, JavaScript, resolving 6–8 UI bugs/week from ticket queue.
- Integrate forms and views with REST endpoints for simple data entry/display; added basic validation that reduced user input errors by 15%.
- Implement small features and reusable components (navigation, forms, tables), cutting duplicate code across pages.
- Run smoke tests in a test environment, document changes, and coordinate releases with IT staff and student developers.
- Use Git (branches, PRs, reviews) in short Agile sprints; write basic SQL queries to support lightweight reports and content updates.

## **Java Full Stack Developer | Milestone Technologies – PaySafe, India**

**Feb 2023 - Jan 2024**

- Collaborated with the PaySafe banking services team to deliver secure, scalable applications supporting high-volume financial transactions.
- Developed and optimized Spring Boot microservices with Hibernate/JPA, migrating legacy services from SOAP to REST, reducing API response times by 30%.
- Built frontend modules in Angular 12 and TypeScript based on Figma designs, focusing on functional workflows and API integrations to enhance user experience.
- Strengthened quality with JUnit, Mockito, Cucumber, and Jasmine tests, boosting coverage by 25% and cutting defects by 15%, with SonarQube, JaCoCo, and Veracode integrated into CI/CD pipelines.
- Enhanced database operations in PostgreSQL, MySQL, and Oracle, applying indexing and schema optimization to ensure integrity and improve performance.
- Applied Spring Security and OAuth 2.0 for authentication and authorization, ensuring compliance with enterprise and financial standards.
- Configured microservices with Spring Cloud and Eureka for service discovery and load balancing, improving system reliability and scalability.
- Implemented event-driven messaging with Kafka and RabbitMQ, improving distributed system performance by 35%.
- Used Git and GitLab for version control and deployments, integrating with CI/CD pipelines to streamline releases and maintain code quality.
- Assisted in containerizing services with Docker and gained exposure to Kubernetes(AWS EKS) deployments as part of CI/CD workflows, improving scalability and release reliability of banking microservices.
- Partnered with QA engineers, DevOps teams, and product managers in Agile sprints, ensuring timely delivery of modules and smooth production rollouts.

## **Java Developer | Cognizant, India**

**Sep 2021 - Jan 2023**

- Developed internal web services for an enterprise operations portal using Java 11, Spring Boot, and Spring MVC.
- Designed RESTful endpoints for CRUD workflows, adding validation and global exception handling to improve API reliability and reduce average response time by 20%.
- Implemented Hibernate/JPA entities and repositories. Tuned queries and added indexes in PostgreSQL, reducing query latency by 25%.
- Built lightweight server-rendered UI pages with JSP, HTML/CSS, and jQuery to support admin and reporting workflows.
- Used Git and Maven within a Jenkins CI pipeline, stabilizing builds and shortening feedback cycles for faster releases.
- Collaborated with cross-functional teams, including designers, QA engineers, and product managers, to deliver high quality software solutions within project timelines, resulting in a 15% increase in team productivity.

## **PROJECTS**

### **Restaurant Food Delivery (Microservices)**

Spring Boot · Angular · Eureka · Docker · Kubernetes (AWS EKS) · RDS (MySQL) · MongoDB Atlas · Jenkins · SonarQube · ArgoCD · ALB Ingress

- Built 4–5 Spring Boot microservices (FoodCatalog, User, Restaurant, Orders) with Eureka client for service discovery; used MySQL (RDS) for user/food/restaurant data and MongoDB Atlas for orders. Containerized with Docker and deployed to AWS EC2 + RDS, ensuring modular and scalable design.
- Deployed to AWS EKS behind ALB Ingress Controller; configured environment via ConfigMaps/Secrets and separate namespaces per service.
- Set up CI/CD: Jenkins on EC2 pulls from GitHub → build/test → Docker image push → ArgoCD GitOps sync to EKS; integrated SonarQube for code quality gates.

**GitHub:** <https://github.com/msdevcoder/RestaurantFoodOrdering/>

## **EDUCATION:**

**Master of Science in Computer Science** - Missouri State University, Springfield, MO, USA

**Bachelor of Technology in Electronics and Communication Engineering** – K L University, India