

Sai Kumar Reddy

## Senior Full Stack Java Developer

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### SUMMARY:

- Experienced **Java Backend Developer / Senior Software Developer** with **5+ years of experience** in developing, and maintaining highly scalable, secure, and distributed enterprise applications.
- Expert in **Java 17/11/8, Spring, Spring Boot, Hibernate, JPA, RESTful Web Services, Data Structures, and Design Patterns**.
- Deep knowledge of **Microservices Architecture, Event-Driven Systems**, and distributed design.
- Strong expertise in **API engineering**, including **REST, and GraphQL**—designing resolvers, schema-first APIs, and optimizing query performance.
- Proficient in **ReactJS, NextJS, JavaScript, HTML5, and CSS3**, enabling seamless full-stack integrations and modern, responsive UI development.
- Advanced proficiency with **MySQL, Oracle, PostgreSQL, and MongoDB** including schema design, query tuning, and database performance optimization.
- Hands-on experience with **AWS services** including **Lambda, SQS, S3, RDS, API Gateway, EC2, and VPC** to build scalable enterprise workloads.
- Skilled in **Docker** and **Kubernetes**, enabling efficient application deployment, workload orchestration, and scalable cloud-native architecture.
- Implemented secure authentication/authorization patterns including **OAuth2, JWT, and RBAC**.
- Extensive experience with **Jenkins, Git, Maven, GitHub**, and automated CI/CD pipelines, ensuring continuous integration, code quality, and streamlined deployments.
- Proficient in **JUnit, Selenium, Postman**, and integration testing frameworks to maintain high-quality, reliable software deliverables.
- Implemented structured logging using **Log4j/SLF4J**, enabling traceability across distributed systems.
- Integrated logging and monitoring with **Prometheus, Grafana** and **ELK Stack**, improving real-time analytics, alerting, and root-cause investigation.
- Strong involvement in **Agile/Scrum** practices, leading sprint planning, standups, retrospectives, and guiding cross-functional teams.
- Experienced with **GitHub Copilot** to enhance productivity, refactor legacy code, and accelerate development cycles.

### TECHNICAL SKILLS:

<b>Programming Languages</b>	Java 17/11/8, Python, Scala, JavaScript, TypeScript
<b>Core Java</b>	Multithreading, Collections, Stream API, Lambdas, Functional Interfaces.
<b>Framework</b>	Spring Core, Spring MVC, Spring Security, Spring Boot, Spring Data JPA
<b>Databases and Storages</b>	Oracle, MySQL, PostgreSQL, MongoDB, Cassandra, DynamoDB, AWS RDS
<b>Monitoring Tools</b>	Prometheus, Grafana, Splunk, ELK Stack.
<b>Unit Testing</b>	JUnit, Mockito, Jest, Postman, JMeter.
<b>Version Control</b>	Git, GitHub, Bit Bucket.
<b>Cloud</b>	AWS (EC2, S3, RDS, Lambda, ECS, CloudWatch), Azure App Services.
<b>Build &amp; deploy CI/CD Tools</b>	Maven, Gradle, Jenkins, Docker, and Kubernetes.
<b>Reporting and Incident Management</b>	Jira, ServiceNow, Confluence.
<b>Methodologies</b>	Scrum Agile and Scrum Ban.

## PROFESSIONAL EXPERIENCE:

**Client:** Nutrisystem, Remote

**Jan 2025 – Present**

**Role:** Sr. Java Backend Developer

**Responsibilities:**

- Developed and enhanced **backend RESTful services** using **Java 17 and Spring Boot** to support product catalog, meal plans, user profiles, and subscription workflows.
- Implemented **business logic** for calorie-based meal recommendations, product eligibility checks, and inventory validation.
- Integrated **payment gateways** (Braintree and SVS Gift Card) to support secure checkout and subscription payments.
- Designed and consumed APIs following **REST standards**, using **Swagger/Open API** for documentation and testing.
- Implemented **JWT-based authentication and role-based authorization** using Spring Security to secure APIs.
- Used **Redis caching** to store frequently accessed reference data (product metadata, configuration rules), improving API response times and reducing database load.
- Developed **scheduled and asynchronous jobs** for order processing, payment verification, and subscription renewals using Spring scheduling and async processing.
- Integrated **AWS S3** using AWS SDK to retrieve and process customer review data for internal reporting and analysis.
- Wrote **unit and integration tests** using **JUnit, Mockito, and Spring Test**, ensuring code reliability and regression coverage.
- Monitored application behavior using **AWS CloudWatch** and logs, assisting in debugging and incident resolution.
- Collaborated with product owners, QA, and support teams in an **Agile/Scrum environment** to deliver features and fix production issues.

**Environment:** Java 17, Spring Boot, REST APIs, Spring Security (JWT), Oracle DB, Redis, JUnit, Mockito, AWS (S3, IAM, Lambda, CloudWatch), Jenkins (CloudBees), SonarQube, Swagger/Open API, Agile.

**Client:** Wipro, India

**Jun 2018 – Dec 2022**

**Role:** Software Developer

**Responsibilities:**

- Developed and maintained **backend microservices** using **Java (8/11), Spring Boot, and RESTful APIs** to support enterprise applications.
- Implemented **event-driven communication** using **Apache Kafka and RabbitMQ** for asynchronous processing between services.
- Built and optimized **REST APIs** and assisted in developing **GraphQL endpoints** for efficient data exchange across systems.
- Worked on **data migration and synchronization** using **Oracle databases, Goldengate, and Kafka**, supporting near real-time data consistency.
- Developed and maintained **frontend components** using **React.js, Redux, Hooks, and TypeScript**, collaborating closely with backend teams.
- Assisted in **migrating monolithic applications** to **Spring Boot-based services** deployed on **AWS and Azure App Services**.
- Improved backend performance through **JPA/Hibernate query optimization**, multithreading, and reusable Java utility components.
- Wrote **unit and integration tests** using **JUnit, Mockito, and Jest**, and supported CI/CD pipelines using **Jenkins and GitHub Actions** in an Agile environment.

**Environment:** Java 8/11, Spring Boot, REST APIs, Kafka, RabbitMQ, Oracle, PostgreSQL, MySQL, MongoDB, JPA/Hibernate, React.js, Redux, TypeScript, JavaScript, HTML5, CSS3, AWS (Lambda, S3, RDS), Azure App Services, Docker, Git, Jenkins, GitHub Actions, JUnit, Mockito, Jest, Jira, Agile/Scrum

## **EDUCATION:**

**Master of Computing and Information Systems**

Youngstown State University

**Bachelor of Engineering**

Lovely Professional University

**Jan 2023 – Dec 2024**

Youngstown, Ohio

**Aug 2014 – Jun 2018**

Punjab, India

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