

# SAI SATHVIK REDDY LOKA

Java Full Stack developer

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## PROFESSIONAL SUMMARY

- Versatile and performance-driven Java Full Stack Developer with over 5 years of proven success delivering enterprise, microservices, and cloud-native applications across insurance, healthcare, and industrial sectors. Highly proficient in building secure, scalable backend services using Java 17, Spring Boot, and REST APIs, and crafting responsive, user-centric frontends using Angular and React.
- Experienced in designing containerized workloads, automating CI/CD pipelines, and deploying distributed systems on AWS, Kubernetes, and PCF platforms. Strong background in integrating real-time messaging solutions using Apache Kafka, securing data workflows with OAuth2 and JWT, and building production-grade applications aligned with industry standards including HIPAA, SOC 2, and PCI DSS.
- Proven ability to lead feature delivery, reduce release friction, and collaborate with cross-functional teams using Agile methodologies, JIRA, and DevOps best practices. Adept at translating complex requirements into modular architectures that improve maintainability, deployment speed, and platform resilience.

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, TypeScript, Python, SQL, Shell Scripting, C++, YAML, JSON, XML

**Frameworks & Libraries:** Spring Boot, Spring Cloud, Spring MVC, JPA, Hibernate, React.js, Angular (2-15), Node.js, JSP, Struts

**Cloud Platforms:** AWS (EC2, Lambda, S3, DynamoDB, RDS, API Gateway), Azure (App Services), Google Cloud Platform (GCP), PCF, OpenShift

**DevOps & CI/CD Tools:** Jenkins, GitHub Actions, GitLab CI/CD, Maven, Docker, Kubernetes, Helm, Terraform

**Databases:** Oracle, PostgreSQL, MySQL, SQL Server, MongoDB, Cassandra

**Messaging & Streaming Platforms:** Apache Kafka, RabbitMQ, JMS

**Monitoring & Logging:** Prometheus, Grafana, Splunk, Zipkin, ELK Stack

**Testing & Quality Assurance:** JUnit, Mockito, Selenium, TestNG, Postman, REST Assured, Swagger UI

**Version Control Systems:** Git, GitHub, GitLab, Bitbucket

**Web & UI Technologies:** HTML5, CSS3, Bootstrap, AJAX, RESTful APIs, SOAP, JSON, Material UI

**Build & Dependency Management:** Maven, Gradle

**IDEs & Collaboration Tools:** IntelliJ IDEA, Eclipse, Visual Studio Code, Postman, JIRA, Confluence

**Operating Systems:** Windows, Linux (Ubuntu, CentOS), macOS

## PROFESSIONAL EXPERIENCE

### Java Full Stack Developer

Jun 2025 - Present

#### Liberty Mutual Insurance | Boston, MA

- Spearheaded the development of modular microservices for policy quoting, claims validation, and renewal workflows using Java 17, Spring Boot, and Spring Cloud, cutting service latency by 45% and enabling faster underwriting decisions.
- Modernized the customer and agent portals with React.js, Redux Toolkit, and Tailwind CSS, improving UI responsiveness and increasing user task completion rate by 27% on both desktop and mobile platforms.
- Strengthened security posture by implementing OAuth2, JWT, and Okta SSO, ensuring role-based access across internal and external systems and aligning with SOC 2 and PCI DSS standards.
- Enabled seamless integration with third-party systems by designing and consuming RESTful and SOAP APIs for fraud detection, payment processing, and legal tracking, which eliminated redundant data entry and reduced errors by 40%.
- Managed end-to-end container lifecycle using Docker, deployed scalable workloads on EKS, and configured Helm charts, resulting in zero-downtime releases and a stable 99.95% service uptime.
- Connected core services with Apache Kafka to facilitate real-time streaming of claims and alerts to underwriting systems, which improved fraud flagging speed by 70% and reduced manual reviews.
- Streamlined CI/CD processes with Jenkins and GitHub Actions, integrating static code analysis and artifact promotion steps that cut build failures by half and accelerated deployment frequency.
- Designed dashboards with Prometheus, Grafana, and Splunk for monitoring policy transactions and application health, helping support teams resolve issues 2.5x faster through proactive alerting.

### Java Full Stack Developer

Aug 2024 - May 2025

#### Mercy Health | Cincinnati, OH

- Refactored patient onboarding APIs using Spring Boot, JPA, and Hibernate, which accelerated EMR fetch times by 35% and improved the throughput of registration workflows.
- Introduced interactive care plan tools in Angular 10 with custom directives and RxJS streams, reducing nurse task configuration time and supporting seamless plan customization.
- Migrated appointment scheduling to a serverless architecture with AWS Lambda, API Gateway, and S3, cutting hosting costs by 22% and improving fault tolerance.
- Transitioned appointment slot management from RDS to DynamoDB, with Redis-based caching to ensure real-time availability sync across mobile, web, and kiosk platforms.

- Established a CI/CD framework using Jenkins, Docker, and PCF, enabling zero-downtime deployments and reducing average release cycles to under 15 minutes.
- Implemented contract testing and API validation suites with Swagger UI and Postman, which increased QA coverage by 38% and minimized test regression failures in sprints.
- Embedded distributed tracing using Spring Actuator, Zipkin, and Spring Sleuth, allowing the ops team to localize API bottlenecks within milliseconds of call trace initiation.
- Collaborated with integration teams to ensure FHIR-compliant REST interfaces, enabling secure exchange of patient vitals and records between Mercy's cloud platform and external EHR vendors.

## Java Full Stack Developer

Oct 2022 - Jul 2023

### Infosys Pvt Ltd | Hyderabad, India

- Built scalable backend microservices using Java 11, Spring Boot, and MongoDB, processing millions of vendor invoices monthly and reducing reconciliation errors by over 40%.
- Introduced modular UI components using Angular 8 and custom services, enabling faster rollout of invoice tracking and approval features and boosting reusability across modules.
- Improved business logic execution by optimizing core modules with Streams, Lambdas, and abstraction patterns, which led to a 30% drop in runtime exceptions and debugging cycles.
- Created CI workflows in Jenkins with custom Maven goals, enabling automated validation and cutting average deployment time by more than 60% across all builds.
- Built a lightweight Node.js proxy to decouple frontend and backend layers, improving response reliability under peak API loads and enabling smoother asynchronous data exchange.
- Conducted integration and regression testing using Postman collections and Swagger-based mocks, ensuring early issue detection and reducing testing handoffs between teams.
- Actively participated in sprint ceremonies using JIRA, coordinated user story definitions, and contributed to backlog grooming that kept delivery consistent across 8+ sprints.
- Collaborated with the cloud and DevSecOps teams to configure secure AWS Lambda, S3, and EC2 environments, minimizing deployment errors and aligning with IAM policies.

## Java Developer

May 2019 - Jul 2022

### National Mineral Development Corporation | Hyderabad, India

- Led backend development for logistics automation modules using Java EE, Spring MVC, and Struts, which reduced shipment reconciliation errors and improved dispatch visibility across plants.
- Redesigned material movement dashboards using JSP, AJAX, and Oracle views, helping plant heads monitor truck turnaround time and reduce wait times by 25%.
- Implemented Kafka and JMS for asynchronous communication between production units and dispatch systems, enabling real-time data sync and improving delivery accuracy.
- Configured JasperReports to auto-generate loading slips, inventory summaries, and shipment manifests, streamlining reporting for warehouse and field logistics.
- Built lightweight UI controls with React and styled them using Bootstrap, modernizing outdated portal views and shortening the training curve for operators by 40%.
- Used Docker to containerize Java services, ensuring uniform deployment across test and production servers, which reduced environment drift and post-deployment errors.
- Managed codebase through GitHub, setting up structured branching strategies that improved code review velocity and helped enforce consistent release practices.
- Actively contributed to Agile ceremonies, refining user stories and sprint scope alongside mining operations teams to deliver features that aligned with on-ground workflows.

## PROJECTS

### Online Healthcare Portal

- Developed and deployed a cloud-native portal using Spring Boot and Angular, enabling appointment booking, prescription access, and record tracking across patient and provider views.
- Applied JWT-based access control and dynamic role handling to segregate UI flows for doctors, patients, and admins, ensuring HIPAA-compliant access to sensitive medical data.
- Integrated AWS EC2, RDS, and S3 with automated health check monitoring, and configured Kafka alerts and logging to support real-time updates on booking delays and cancellations.

## EDUCATION

### Master of Science in Computer Science

Aug 2023 - May 2025

Wright State University | Ohio, USA

## CERTIFICATIONS

- Hacker Rank Intermediate **Java Certification**