

# SAINARESH KOKKU

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## Summary

Java Backend Developer with **4.5+** years of experience in building scalable backend services, designing REST APIs, and developing microservices using Java, Spring Boot, and SQL databases. Skilled in modernizing legacy systems, improving performance through efficient data access patterns, and integrating backend components across distributed architectures. Experienced in working with Docker, Jenkins, and Linux to support reliable deployments and backend automation. Known for diagnosing complex API and data-related issues, driving technical improvements, and collaborating effectively with cross-functional teams in Agile environments.

## Experience

### T.C.S

*Java Backend Developer*

Dec 2024 – Present

Chennai, India

- Developed and enhanced Spring Boot REST APIs used by telecom workflows; reduced API latency by **20%**.
- Migrated legacy components into Spring Boot microservices, improving maintainability by **30%**.
- Built and maintained Jenkins CI pipelines to automate backend builds and deployments; collaborated with DevOps on rollout strategies.
- Containerized services with Docker and supported Linux-based production deployments; worked closely with QA and DB teams for integration testing.

### Infosys Limited

*Systems Engineer / Java Backend Engineer*

May 2022 – July 2024

Hyderabad, India

- Designed and delivered Spring Boot microservices and REST APIs for a financial platform supporting high-volume operations.
- Optimized PostgreSQL queries and indexing, reducing average query execution time by **25%**.
- Remediated SonarQube findings to improve code quality and maintainability; collaborated with Business Analysts and QA for acceptance testing.
- Supported containerized deployments (Docker) and Jenkins pipelines; coordinated releases with cross-functional teams to ensure stable production rollouts.

### Ojas Innovative Technologies

*Software Engineer*

Feb 2021 – Apr 2022

Hyderabad, India

- Developed backend components (DAOs, JPA entities, service layer) for a Loan Management System using Spring Boot.
- Improved report generation performance by **20%** through SQL tuning and optimized data access patterns.
- Ensured data consistency across relational tables (MySQL/MariaDB) and reduced recurring data issues by implementing validation and fixes.
- Authored JUnit tests and collaborated with QA and product teams during sprint cycles.

## Projects

### Optimus (Tata Communications)

| Java, Spring Boot, Microservices, REST API, MySQL

Dec 2024 – Present

Optimus is a telecom workflow modernization platform focused on transforming legacy backend modules into scalable Spring Boot microservices, improving workflow stability and supporting automated deployments across enterprise environments.

- Developed and optimized Spring Boot REST APIs for telecom operations; improved latency and service reliability.
- Migrated legacy components into microservices and integrated CI/CD pipelines using Jenkins and Docker.

### Key Trade Bank

| Java, Spring Boot, REST API, Microservices, PostgreSQL, React

May 2022 – Jul 2024

Key Trade Bank is a digital banking platform handling account management, transactions, and loan services. Collaborated with BA, QA and DevOps teams to deliver stable backend modules.

- Implemented secure REST APIs and microservices for transaction processing; contributed to DB performance improvements and API stability.

- Addressed SonarQube issues and assisted integration testing with QA teams.

**Loan Management System (LMS)** | Java, Spring Boot, MySQL, Docker, Jenkins

Apr 2021 – Apr 2022

LMS is a web-based platform streamlining loan lifecycle management for banks and borrowers.

- Built DAOs, JPA entities, and Spring Boot services; ensured modular, maintainable backend design.
- Optimized SQL used by reports and reduced generation time; collaborated with product and QA on acceptance criteria.

## Technical Skills

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**Programming Languages:** Java, JavaScript

**Frameworks:** Spring Boot, Hibernate, JPA, REST API Development, React.js, HTML, CSS

**Databases:** MySQL, PostgreSQL, MongoDB

**Cloud:** AWS, EC2, Docker, Jenkins, Linux

**Testing** JUnit, Postman, SonarQube

**IDE / Tools:** IntelliJ IDEA, Visual Studio Code, Spring Tool Suite; Jira, Git, Maven

## Awards & Certifications

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- Employee of the Month — Oct 2023 (Infosys)
- Infosys Certified Java SE 8 Developer; Infosys Certified Spring Boot Developer
- CI/CD with Jenkins & Git — Udemy; MongoDB + Spring Boot — Udemy

## Education

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**Osmania University**

*Master of Computer Applications (MCA)*

Aug 2016 – May 2019

Hyderabad, India

**Sathavahana University**

*B.Sc. Computer Science*

Jun 2013 – May 2016

Jagital, India