

Aditya Madabhavi

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Experience/Projects

Infosys LTD

Sept 2021 – Present

Senior System Engineer,

Pune, India

- Spearheaded software engineering initiatives for over 4+ years, specializing in **Java 8, Spring Boot, and SQL technologies.**
- Applied project development methodologies including **Software Development Life Cycle (SDLC)** using both Waterfall and Agile models.
- Designed and developed **RESTful APIs** using Spring Boot, serving ~500k daily transactions with 99.9% uptime..
- Implemented **Microservices** architecture with **Spring Cloud**, enabling scalable and maintainable services.
- Integrated **Spring Data JPA** with Hibernate for database operations, ensuring optimal performance.
- Developed security features using **Spring Security**, including **OAuth2 and JWT** for secure authentication and authorization, boosting compliance with industry standards improving user authentication speed by 20%
- Reduced deployment time by **40%** through **(CI/CD)** pipelines using **Jenkins, Docker, and Kubernetes**.
- Collaborated with cross-functional teams to gather requirements, design, and deliver **feature-rich solutions** that meet client specifications.
- Conducted unit and integration testing with **JUnit and Mockito**, ensuring high-quality code.
- Participated in **code reviews**, mentoring junior developers and ensuring adherence to best practices.
- Worked on **Spring Framework Upgradation to 6.x** Process.

Personal Projects/Awards & Achievements

- **Blog Application(Backend Developer):** A content management system (CMS) allowing users to create, edit, and delete blog posts, with commenting and user authentication.

Technologies: Spring Boot, Spring Data JPA, Spring Security, Thymeleaf, MongoDB, Docker.

Key Features:

User authentication and authorization with Spring Security.CRUD operations for blog posts and comments
Role-based access control (Admin, Author, Reader).Implemented JWT-based authentication for enhanced security.

- **Task Management Tool(Backend Developer):** A task management application with features like task assignment, tracking, and notifications.

Technologies: Spring Boot, Spring Data JPA, Spring Security, Thymeleaf,MongoDB, Docker.

Key Features

Task creation, assignment, and deadline tracking.User authentication and role-based access (Admin, Manager, Employee).Email notifications for task deadlines. RESTful API development for task operations

Education

DBATU University

Aug 2018 – Sep 2021

BTech in Computer Science

Solapur,Maharashtra.

MSBTE

Jul 2015- Aug 2018

Diploma in Computer Science

Solapur,Maharashtra.

Technical Skills

Backend: Java 8/17, Spring Boot, Spring Data JPA, Spring Security

Databases: MySQL, MongoDB

Visualization Tools: IntelliJ Idea, STS , Postman , SQL Developer , Putty , Weblogic.

Web Technologies : HTML , CSS , RESTful APIs , JSON/XML.

DevOps: Git, Jenkins, Docker, Kubernetes

Testing: JUnit, Mockito

Core Competencies

Problem- Solving | Communication | Teamwork | Adaptability | Mentorship | Agile Methodologies