RAHUL YADAV

Software Engineer

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EXPERIENCE

Maveric Systems Limited   **August 2023 – Present**
Graduate Software Development Engineer   *Bengaluru, India*

- Designed and implemented a **mail notification** system using the **Graph API**, enabling real-time email alerts for improved user engagement.
- Implemented an **ELK Stack** to monitor system logs and enhance system stability. This helped reduce the mean time to resolution by **30%** and resulted in a **15%** increase in application performance.
- Designed and implemented **REST APIs** using **Java & Spring Boot**, facilitating seamless communication between the application components.
- Improved code quality and coverage analysis by implementing **SonarQube.**
- Developed comprehensive unit test cases with **JUnit and Mockito,** achieving over **85%** code coverage.

TECHNICAL SKILLS

- **Languages:** Java, MySQL
- **Technologies/Frameworks:** Spring Boot, Microservices, REST APIs, Docker, Git, Jenkins
- **Concepts:** Data Structure and Algorithm, Object-Oriented Programming (OOPs)

PROJECTS

Talent Share Portal(TSP) | *Java, Spring Boot, Microservices, MySQL*   **Project Link**

TSP is a mentorship portal that facilitates tech exploration by fostering an environment of continuous learning. It implements user profiles for mentors who guide learners to explore tech stacks and gain new skills through extensive training.

- Set the foundation for implementing **Microservices architecture** using **Java and Spring Boot**, which helped develop a high-performance application that could handle complex functionalities efficiently.
- Implemented a robust **exception handling** mechanism, using **Rest Controller** Advice, which enabled consistent error management across the application.
- Implemented and integrated automatic **Excel report generation**, which enhanced data visualization and learning analysis.
- Facilitated integration of the application with **Microsoft Teams** and implemented calendar blocking feature, which simplified the process of scheduling training sessions.

Hotel Rating Application with Microservices | *Microservices, Spring Boot, Java*   **Project Link**

- Developed Hotel Rating Application and enabled users to rate and review registered hotels.
- Implemented user, rating and hotel services features using **Eureka service, API Gateway, Feign Client, Config Server, Circuit Breaker, Retry and Rate Limiter with Resilience4J and OAuth.**

ACHIEVEMENTS

Java, SQL, and Problem Solving Certification from HackerRank   **Link**
Full Stack Development Certificate by Maveric Systems Limited   **Link**

EDUCATION

Alliance College of Engineering and Design, Alliance University   **August 2019 – June 2023**
Bachelor of Technology(BTech) in Computer Science and Engineering(CGPA: 8.5)   *Bengaluru, India*

LEADERSHIP / EXTRACURRICULAR

Quantix(Mathematics and Statistics) Club (Vice President)   **May 2022 – April 2023**

- Organized a week-long World Statistics Day event and led educational activities for over 150 students at Alliance University through the Quantix Club.