SANDEEP ROY

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Experience

UST Inc.   **Jan 2022 – Mar 2023**
Associate Software Engineer, Client – P & G Ltd.   *Bangalore*

- Utilized **Spring Boot** to create **20+ RESTful Microservices**, adhering to Spring REST API standards.
- Worked on Integration of 3rd party APIs using **Spring Reactive WebClient** for seamless interaction across multi-channel web services, resulting in swift sprint progression.
- Implemented **Spring Cloud** functionalities for interaction between Microservices.
- Written unit tests for service layers using **JUnit** resulting 80% test coverage.

NTT Data Services   **May 2020 – Dec 2020**
Associate Support, Client – UnitedHealth Group Inc.   *Bangalore*

- Involved in Incident resolution for various Webservices in **Spring boot**, by providing timely resolution of raised issues.
- Worked on configurations for execution environments & documentation for APIs.
- Proactively monitored system health using **Spring Actuators** & **Spring Admin**.
- Successfully resolved 70% of production issues within a specified time frame, ensuring minimal downtime and uninterrupted user experience.

Infosys Limited   **Sept 2017 – May 2020**
Associate Systems Engineer, Client – Various Telecom MNCs   *Bangalore*

- Developed view layers using **JSP** for various form based interactions & integrated API call with events.
- Maintained and updated **Migrations** and resolved software related **Incidents** as per requirements.
- Performed root cause analysis to recover from service interruptions.

Projects

QEats — Repository   **Oct 2023**

- Developed various component of the **food delivery** backend as per design specification.
- Designed and Implemented **REST APIs** to fetch available restaurants using **Spring Boot.**
- Leveraged **MySQL** using **Spring Data JPA** for efficient restaurant data storage, ensuring scalability and seamless user experience.
- Implemented **Unit Tests** and Integration Tests for Web and Service layer using **JUnit** & **Mockito** for assured accuracy.

QMoney — Repository   **Sept 2023**

- Developed and published the **portfolio manager** core logic as a library.
- Integrated **Tiingo's REST APIs** for real-time stock quote retrieval and enhanced service reliability by incorporating a backup stock quote provider (Alpha Vantage) to improve service availability.
- Boosted application responsiveness and performance by **25%** by introducing multi-threading.
- Enforced **SOLID principles** with **81%** code coverage and implemented the **Abstract Design Pattern** for enhanced code modularity.

Technical Skills

Languages: Java, SQL
Technologies / Framework: Spring Boot, Rest API, Micro services, Maven, JUnit, Kafka, Git
Developer Tools: Intellij IDEA, MySQL Workbench, Postman, Swagger, Linux

Certifications

Crio.Do, Fellowship Full Stack Web Development — Portfolio   **Oct 2022 – May 2024**

Education

Biju Patnaik University of Technology   **2015 - 2017**
M.Tech in Computer Science & Engineering   *7.3/10 CGPA*

Biju Patnaik University of Technology   **2008 - 2012**
B.Tech in Computer Science & Engineering   *6.8/10 CGPA*