Sai Pruthvik

Software Developer

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Skills

Languages: Core Java, SQL, Javascript
Technologies/Frameworks: Spring Boot, Spring Data, Mockito, REST, JUnit, Jackson
Database: MongoDB, MySQL
Tools: Git, Chrome Developer Tools

Education

B.Tech | Electronics and Communication Engineering
Malla Reddy Insitute of Technology   **Jun 2018 - Jul 2022**
Grade: **6.6**

Projects

QMoney | *Java, Jackson, Factory Design Pattern, JUnit, Mockito, REST*   **Demo Link**   **Sep 2023**
QMoney is a visual stock portfolio analyzer. It helps portfolio managers make trade recommendations for their clients.

- Used Jackson library to serialize & de-serialize JSON files containing a user's historical trades and extract the stock list
- Developed REST APIs to call third-party services like Tiingo & Alpha Vantage to retrieve stock quotes on a given date
- Improved application stability by using Exception handling.
- Improved performance of the application by using multithreading.

XMeme | *Java, REST, Spring Data, MongoDB, Unit Testing*   **Demo Link**   **Oct 2023**
QMoney is Backend Module of Meme Stream Page where users can post and retrieve memes.

- Built REST APIs for posting and retrieving memes, enhancing user interactions and content sharing.
- Used MongoDB to store the Meme related fields and extract them.
- Conducted comprehensive unit testing of functionality using JUnit, Mockito, and MockMvc, ensuring robust and error-free operations.
- Implemented appropriate error handling and HTTP response codes for incorrect requests, ensuring a robust and user-friendly application.

Object Modelling | *Java, Design Patterns, SOLID Principles, Unit Testing*   **Demo Link**   **Sep 2023**
Designed structure of applications following standard coding principles ensuring clean architecture.

- Built a Hackerrank like contest application by applying their Core Java + design skills.
- Designed & implemented the classes required for a contest framework.
- Implemented the business logic of running a simulated contest.
- Built a JukeBox application based on a problem statement, from scratch.

Mini Projects

QCALC   **Jul 2023**

- Built feature of a calculator by taking OOPS Principles into consideration.

Achievements

- Advanced React Certification from Coursera