

# Sai Pruthvik

Software Developer

+919502915435 | saipruthvik460@gmail.com | [Github](#) | [Linkedin](#) | [Crio Portfolio](#)

## Skills

**Languages:** Core Java, SQL, Javascript, HTML, CSS

**Technologies/Frameworks:** Spring Boot, Spring Data, Mockito, React.js, REST, JUnit, Jackson

**Database:** MongoDB, MySQL

**Tools:** Git, Chrome Developer Tools

## Experience

### Optival Health Solutions

Jun 2022 - Mar 2023

- Collaborated with cross-functional teams to understand project requirements, fostering effective communication and teamwork.
- Utilized Java Spring and Spring Boot frameworks to establish a robust MVC architecture, enhancing project scalability and maintainability.
- Developed RESTful APIs for MySQL databases, enabling seamless CRUD operations, improving data accessibility and management.
- Implemented robust validation mechanisms tailored to specific project requirements, ensuring data integrity and preventing runtime exceptions.
- Designed user interfaces using ReactJs, with a focus on creating interactive forms for efficient user interaction with the database through a Spring Boot application.
- Conducted rigorous end-to-end testing to validate changes and deliver reliable software solutions.

## 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](#) Oct 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.

### MediaBox | React, Typescript, Context, Tailwind CSS, Daisy UI, React Query

[Demo Link](#) Jan 2024

A React Application To view and filter Movies and TV Shows.

- Responsive Design: Implemented optimized design for various devices, ensuring a seamless user experience across desktop, tablet, and mobile screens, enhancing accessibility and usability.
- Reusable Components: Utilized best practices in React development to create reusable components, promoting code reusability and maintainability, thereby enhancing development efficiency and scalability.
- Efficient Caching with React Query: Implemented efficient caching mechanisms with React Query, minimizing duplicate requests and optimizing performance, resulting in faster load times and improved user experience.

## **Object Modelling** | *Java, Design Patterns, SOLID Principles, Unit Testing*

[Demo Link](#) Jul 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.

## **Shopping Cart** | *React, TypeScript, Context, Tailwind CSS.*

[Demo Link](#) Feb 2024

Built a Simple Cart Implementation using React and TypeScript, with various features.

- Integrated a seamless login process leveraging the Dummy JSON Authentication API for user access.
- Established efficient product fetching capabilities from the Dummy JSON Products API, ensuring up-to-date inventory.
- Engineered a user-friendly cart functionality enabling product addition, removal, and real-time total calculation for enhanced shopping experience.

## **Achievements**

- Advanced React Certification from [Coursera](#)