Isuru Sajith Rathnayaka

Software Engineer

Personal details

👤 Isuru Sajith Rathnayaka

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Tech stack

Programming Languages:
- Java
- ECMAScript(JS)
- TypeScript
- SQL

Frameworks and Libraries
- Java SE
- Jakarta EE
- JavaFX
- Spring
- Spring Boot
- Angular
- React
- React Native
- Spring Data JPA
- Spring Web
- JPA (Java Persistence API)
- Spring Security
- Gson / Jackson
- Multer
- Swagger UI
- SLF4J / Logback
- H2
- HyperSQL
- Mockito
- JUnit
- Promise-mysql

Profile

My transition to software engineering reflects my determination to pursue new challenges and embrace a field that offers limitless possibilities. I am excited to leverage my background in engineering, my problem-solving abilities, and my eagerness to learn to contribute effectively as a software engineer.

Experience

Associate Software Engineer   **Jan 2023 - Present**
IJSE - Institute of Software Engineering, Pandura.
POS v1.0.0: Point-of-Sale System:
A web application designed for retail shops to efficiently manage orders and daily selling activities using Java, Spring Boot, and React, it offers streamlined order processing, inventory control, and detailed sales reporting. The user-friendly interface ensures easy navigation, while the tech stack ensures scalability and optimal performance. This project showcases my expertise in developing feature-rich web applications for enhanced retail operations.
[Java | MySQL | Maven | Spring boot | JUnit | Lombok | Hibernate | ECMA Script | H2 | React | Nodejs]

PicVibe v1.0.0:
Pic Vibe is an innovative online platform designed for seamless photo uploading and downloading. As the creator and founder of Pic Vibe, I developed a user-friendly website where users can easily share their photos with others and explore a vast collection of captivating imagery.
[Java | MySQL | Maven | Servlet | JUnit | Lombok | Hibernate | Angular | SCSS | jQuery]

LMS v1.0.0: Library-Management System:
An application designed for monitoring and controlling the transactions in a library. The project "Library Management System" is developed in Java and mainly focuses on basic operations in a library and searching, like adding new members and new books, updating new information, searching books and members, and the facility to borrow and return books. Also, this application keeps all transaction records.
[Java | MySQL | Maven | Servlet | JUnit | Lombok | Hibernate | Angular | Doceker | Kubernete | MondoDB]

MiniGame v1.0.0:
This mini-game front-end was created using HTML, CSS, and JavaScript. The purpose of this project was to practice JavaScript and learn about the frontend tech stack, keyboard handling, and responsive web design.
[ECMA Script | HTML | CSS | SCSS | Boot Strap]

TaskBreeze v1.0.0:
Task Breeze is an intuitive and feature-rich to-do app developed using Jakarta Servlet and JavaServer Pages (JSP) technologies. Leveraging the power of these Java-based technologies, I created Task Breeze to provide users with a seamless and dynamic task management experience.
[Jakarta EE | Servlet | JSP | MySQL | Lombok | GlassFish | Nodejs]

Tesla.com Clone Front-End:
Tesla.com Clone is a personal project aimed at recreating the official website of Tesla, the leading electric vehicle and clean energy company. This project faithfully replicates the design and layout of the original Tesla.com website, providing users with a similar browsing experience.
[ECMA Script | HTML | CSS]

- Express
- JSON
- Java Bean Validation
- Lombok
- Animate.css
- CSS3
- HTML5
- Tailwind CSS
- Angular Material
- Bootstrap
- Material-UI
- SAAS
- NPM
- Hibernate
- JQuery
- NodeJS
- Parcel JS
- Webpack
- Gradle
- Maven

DBMS
- MySQL
- MongoDB

VCS
- Git
- Git Hub
- Git Lab
- Bitbucket

IDE
- IntelliJ idea
- VSCode
- DataGrip
- Jasper
- Packet-Tracer

API Platforms, Servers, Cloud Computing
- Postman
- GCP
- Apache
- Tomcat
- GlassFish
- Jetty
- Docker
- Kubernetes

Operating Systems
- Ubuntu
- Windows

Google.com Clone Front-End:
Designed and developed a website inspired by the clean and intuitive design of Google, utilizing HTML, CSS, and JavaScript to create a visually appealing and user-friendly interface.
[ECMA Script | HTML | CSS]

Student Management System v1.0.0:
The system efficiently handles student data, course details, and contacts. Implemented intuitive user interfaces, advanced search functionalities, and data validation to ensure a seamless user experience. The project showcases the successful integration of Java, Spring Boot, and MySQL to create a robust and user-friendly application for managing student information.
[Java | MySQL | Maven | Spring boot | BootStrap | Lombok | Hibernate | ECMA Script | H2 | React | Nodejs | Angular]

Operation Engineer   **Aug 2020 - Dec 2022**
SBC Asia pvt ltd, Peliyagoda
- Petroleum Storage Tank Calibration (Upright, Underground, Horizontal, etc.)
- Petroleum Inspection (Surveyor)

Education

Certificate in Full Stack Web Development   **Jan 2023 - Jun 2023**
and Information Technology
IJSE - Institute of Software Engineering, Panadura

Comprehensive Master Java Development   **Jul 2022 - Dec 2022**
IJSE - Institute of Software Engineering, Panadura

BSc Engineering (Hon's)
University of Moratuwa
(Second class)
Thesis: Agitation's impact on combustion efficiency in a fluidized bed combustor resulted in one-dimensional and 3-dimensional mathematical model development.
Simulation software: *[Matlab | AspenPlus | Ansys]*

G.C.E Advanced Level
D.S. Senanayake National School, Ampara
3A's, Z-score:2.4107, Island-rank:166

Professional membership

- Associate Member of **Institute of Engineers Sri Lanka.**
- Associate Engineer of **Engineering Council, Sri Lanka**.

References

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