Meraj Pathiranage

Software Engineer

I am a highly motivated individual with enthusiasm to learn new skills to contribute to the success of the organizational objectives effectively and efficiently while achieving my personal goals.

Contact

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Portfolio
merajvindira.netlify.app

Linkedin:
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Github:
github.com/Meraj6091

GitLab:
gitlab.com/Meraj6091

Medium:
medium.com/@merajvindira

Skills

Programming Languages
Java | Python | JavaScript

Web Development

CSS | SCSS | Bootstrap | Tailwind | HTML5 | ReactJS | TypeScript | NodeJS | ExpressJS | Redux | Redux-Saga | Microservices

Databases
MongoDB | MYSQL | PostgreSQL | Cloud Firestore

Mobile Development
React Native

Hosting
Heroku | Firebase | Netlify

Version Control
Git

OS
Windows | Linux

APIs
Slack API | Google Maps API | Mapbox

Education

Fresh Graduate
Informatics Institute of Technology (IIT) affiliated with University of Westminster, UK

- BEng (hons) Software Engineering with Industrial Placement | 2019 - 2023
- Upper Second Class Honours

GCE Advanced Level
Ananda College, Colombo - 10

- Technological Stream | 2017 - 2019
- Passed with C 2 and S 1

Professional Experience

Software Engineer Intern
SCM Studio Pvt Ltd, Colombo - 03 (1 year)

2021 July - 2022 July
- **Full Stack Development**
- Developed new CRUD features for BRIDGE with Redux and Redux-Saga for state management and performed testing and debugging of components.
- Fully updated an outdated shipment tracking feature with SeaRates APi on BRIDGE.
- Converted Sinhala and Tamil translation on BRIDGE MOBILE.
- Developed a MERN stack application and hosted on Heroku and Firebase to keep on track with container deposit for BRIDGE.
- Implemented a feature to trigger Slack notifications using Slack Api integration with Fast APi.
- Handled AWS EC2 deployments.
- Implemented R&D task to get optimized route planning to perform deliveries on SCOOTIX using mapbox and google maps APi.
- Optimized and release Apk for staging and testing environments with App Center.
- Performed necessary documentation for developed features under confluence.
- merged git branches and performed necessary git commands to keep on track with our team and resolves conflicts on both Github and Gitlab.
- Conducted QA Automation testing using Cypress on SCOOTIX.
- Fulfilled the necessary tasks on JIRA under Agile Methodology on time.

Projects

2021 - 2022
- BRIDGE
- An enterprise application for Shipping Management and a tool to keep track of all shipments and to produce reports on monthly shipments.
- React | Node (TS) | Redux-Saga | Redis | PostgreSQL

2021 - 2022
- BRIDGE MOBILE
- Follow up for the Bridge Web application. The Application is already published to the Google Play Store and Huawei App Gallery to be used by our registered clients.
- React Native | Node (TS) | Redux-Saga | Redis | PostgreSQL

2021 - 2022
- SCOOTIX
- A Delivery Management Platform. A Mobile application to deliver goods into customers combining with a Web Application to track and manage their behaviors.
- React Native | Node (TS) | Redux-Saga | Redis | MongoDB | Socket.io | RabbitMQ

Concepts

- Object Oriented Programming
- Microservice Architecture

Soft Skills

- Adaptability
- Leadership
- Time Management
- Working Under Pressure

Tools and Technologies

- IntelliJ IDEA
- Visual Studio Code
- Git
- PHPMyAdmin
- MongoDB Compass
- PgAdmin4
- Postman
- Android Studio
- PyCharm
- Slack
- JIRA
- Confluence
- Microsoft Word, Excel, PowerPoint
- Google Docs, Sheets, Forms, Slides

Interests

- Mobile Application Development
- Full Stack Development
- Cyber Security
- Cloud Computing

Languages Spoken

English:
Full Professional Proficiency

Sinhala:
Native

Non-Related Referees

Mr. Nuwan Jayawardene
Assistant Lecturer - Informatics Institute of Technology, Colombo 6. Research Assistant, University of Moratuwa.
Email: nuwan.j@iit.ac.lk

Mr. Arshad Azaad
Technical Lead - TASA Lanka Pvt Ltd, Colombo
Tel: 0775842381
Email: arshad.azaad@tasa.com.my

Personal & Academic History

Academic Projects

Final Year Project

IIT / 2023 - 2023
- A Hybrid Approach to Detect and Prevent SQL Injection Attacks on Server-Side Applications.
- A security system to prevent hackers from inserting malicious queries using machine learning combining with RNN, CNN with Google BERT.
- React (TypeScript) | MySQL | Flask | TensorFlow | Keras | NLP | Google Colab
- Demo : youtube/sqliprevention

Second Year Group Project

IIT / 2020 - 2021
- IOT linked with Mobile Application 'JALA READ'.
- An Automation System developed for the Water Quality Measurements.
- Python | Flask | React Native | Arduino | IOT | MongoDB

Second Year Individual Project

IIT / 2020 - 2020
- Java linked with Angular 'Premier League Manager'.
- A Management System for the Football Club.
- Java | Spring Boot | Angular

First Year Individual Projects

IIT / 2019 - 2019
- Java linked with MongoDB 'Udarata Manika'.
- A Management System for the Train Booking.
- Java | JavaFX | MongoDB

Personal Projects

2021 April - 2021 May
- Mobile Application linked with Firebase and MongoDB 'SleepLine'.
- A Healthcare App to Maintain Insomnia Level and to communicate daily behaviors between doctors and patients.
- React Native | Node js | Redux | Cloud Firestore | MongoDB | Python | Flask Rule-based ML | Heroku | Android Studio
- Demo : youtube/sleepline

2023 Aug - 2023 Aug
- A Live Tracking app and to get optimized route for added car service centres.
- An authenticated mobile application linked with google maps.
- React Native | Firebase Authentication | Google maps API

Leadership & Volunteer Experience

Director of Finance
The Institution of Engineering and Technology (IET) of IIT | 2020 - 2021
- IIT Hack (2021)
- CodeSprint (2020-2021)
- Hack It Saturday Season 02
- What is Behind CRYPTO Webinar (2021)
- Applying AI and Data Processing Webinar (2021)

Member
Rotaract Club of IIT | 2017 - Present
- Sally's Manor (2017) | Committee Member & Horror House Actor
- IGF (IIT Gaming Fest) (2017 & 2020) | Committee Member

Member
IEEE Student Branch of IIT | 2019 - Present
- Code Sprint 5.0 (2020) | Volunteer

Member
Ananda College Information Communication Technology | 2018 - 2019

Accomplishments
Google Hash Code - Team RunTimePirates | 2021