



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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19/11/2000

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Portfolio

merajvindira.netlify.app



Linkedin:

linkedin.com/meraj-vindira



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- Fully updated an outdated shipment tracking feature with SeaRates API on BRIDGE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 (TypeScript) | 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 (TypeScript) | 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 (TypeScript) | Redux | Saga | Redis | MongoDB | Socket.io | RabbitMQ

Soft Skills

- Adaptability
- Leadership
- Time Management
- Working Under Pressure

Interests

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

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

Concepts

- Object Oriented Programming

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](https://youtube.com/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](https://youtube.com/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