

Isuru Edirisinghe

Full Stack Software Engineer

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Executive Summary

A Full Stack Engineer with 2 years of professional experience in MEAN stack and React + ASP.NET Core along with DevOps experience in both AWS and Azure clouds. Additional experience includes Game Development, Mixed Reality and Image Processing. A keen learner of modern technologies and a highly motivated problem solver who is deadline oriented and is an excellent team player.

Experience

- **Software Engineer - 99x, Colombo** **2020 Mar - Present**
Member of Project Norkart (Norway based municipal technology provider), specifically involved in design and development of web apps and APIs for water and wastewater management.
 - Design and develop REST API's using ASP.NET Core and MS SQL Server
 - Develop and integrate frontend components with REST APIs using React JS
 - Design, develop and integrate an Azure AD B2C Authorization Middleware layer to the application
 - Research and implement PWA (Progressive Web Apps) functionality to the frontend along with offline dynamic data storage and sync support using PouchDB
 - Setup Build and Release pipelines in Azure DevOps for several applications
 - Conduct several Proof of Concepts on using Microsoft Graph API, Azure AD B2C, PouchDB and Progressive Web App functionality for the application
- **Trainee Software Engineer – 99x, Colombo** **2019 Sep – 2020 Mar**
Member of Project Tracified which provided a suite of applications for blockchain based traceability integration for supply chains.
 - Extend functionality in existing REST APIs using Express JS
 - Develop and integrate frontend components with Rest APIs using Angular
 - Cloud resource deployment automation with AWS CDK (Cloud Development Kit)
 - Deploy and manage Docker containers in AWS EC2 instances running Ubuntu
 - Write shell scripts to automate operational tasks such as managing database backups and archival of application logs in AWS S3 buckets
 - Maintenance of the database layer powered by MongoDB
 - Modify and maintain a custom JSON data query language written using C++ for optimizing traversal of traceability data of products
- **Other**
 - Freelance Game Development
 - Self-learned Unity3D game developer with games published for Windows, Linux, Mac OS, Android and iOS
 - Experience in publishing Apps on Google Play Store and iOS App Store
 - Experience in Image Processing & VR/AR Application Development

Research

- Application of Virtual Reality for Enhancement of English Oral Skill in Sri Lankan Context **IRC UWU 2020**
- A Customizable Virtual Reality Application for Enhancement of Method of Loci **IRC UWU 2019**
- Concentration Device for Increasing Productivity Through the Improvement of Pomodoro Technique using Color Psychology **IRC UWU 2019**
- Sixty Seconds Robot- An Effective Development Approach for Robot Programming **IRC UWU 2018**

Achievements

- Merit Award for “Amba Yaluwa – Concentration Device” at National Best Quality ICT Awards – 2018
Organized by British Computer Society - Sri Lanka Section
- IEEE SS12 Maker Fair 2018 – Finalist for “Amba Yaluwa – Concentration Device”

Extra Curricular

- Student Ambassador - Unity Technologies **2018-2020**
- Club Captain – Mozilla Campus Club of Uva Wellassa University **2018-2019**
- Intra-University Hackathon Champion and later Hackathon Master at Uva Wellassa University **2017-2020**
- Hackathons and Meetups Initiative Lead at 99x **2020**

Referees

- **Rajiva Witharana**
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- **Dilantha Wijayarathne**
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