Isuru Edirisinghe

Full Stack Software Engineer

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Executive Summary

A Full Stack Engineer with more than 3 years of professional experience in React + ASP.NET Core and MEAN stack along with DevOps experience in both AWS and Azure clouds. Additional experience includes Game Development, Mobile Application 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

- **Senior Software Engineer - 99x, Colombo**   **2022 Jul - 2022 Aug**
- **Software Engineer - 99x, Colombo**   **2020 Mar - 2022 Jun**

  Member of Project Norkart (Norway based municipal technology provider), specifically involved in developing applications 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 Map functionality using MapGL and Deck.GL
  - 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 Aug - 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
  - Develop a Bluetooth fitness tracker mobile application for a client project (React Native)
  - Experience in Image Processing & VR/AR Application Development

Education

- BSc. (Hons) (Sp.) Computer Science and Technology **2016 - 2020**
  2nd Class Upper (3.37 GPA) - Uva Wellassa University, Sri Lanka
- IELTS Academic Score - 7.5 (CEFR C1) **2021**
- GCE Advanced Level (Combined Mathematics, Physics, ICT) **2014**
- GCE Ordinary Level **2011**
- Graded Examinations in Spoken English (GESE) - Level 7

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

- Change Maker Award at 99x Excellence Awards 2020
- 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
- SLT IoT Challenge 2018 – Finalist

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**

References

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