

UMESHA SANDALU (SANDY)

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PERSONAL PROFILE

Aspiring IT professional with a strong foundation in developing software solutions and enhancing system reliability. Proficient in various technology stacks, including but not limited to Python, Java, and React. Eager to apply my programming and project management skills to contribute effectively in my role. Seeking opportunities to gain hands-on experience and make a meaningful impact within the field of information technology. Interested in leveraging my skills and knowledge through exciting challenges in the industry.

EDUCATION

Master of Information Technology (2023-2024)

RMIT University

- Specialising in Cloud Computing
- Current GPA: 3.80

BSc.(Hons.) Management and Information Technology (2016-2020)

University of Kelaniya, Sri Lanka

- Specialised in Information Technology
- GPA: 3.84 (First Class)

IELTS

British Council, Sri Lanka

- Listening 8.5 | Reading 8.0 | Speaking 7.0 | Writing 6.5 | Overall score 7.5
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WORK EXPERIENCE

WSO2 Lanka (Pvt) Ltd.

Role: Software Engineer

March 2021 - January 2023

Role: Trainee Software Engineer (Internship)

September 2018 - February 2019

- WSO2 is one of the world's leading open source integration vendors. Choreo is its latest product providing an AI enhanced integrated platform as a service.
- Implemented the Choreo's marketplace feature with a team of developers, introducing a novel concept where organisations can host their APIs, event streams, and data sources.
- Led the research, engineering, and deployment of the initial phase of Choreo's Connector Publisher feature, utilising technologies such as React, Ballerina, and Azure DevOps pipelines.
- Designed and integrated user interfaces for Choreo Console's Mediation Ballerina service, facilitating seamless mediation customisation for API proxies.
- Contributed to the development of the low-code editor in Choreo, refining the statement editor panel and introducing components to enhance the overall user experience.
- Enhanced the code quality of Choreo by authoring comprehensive unit, integration and end to end tests using the React Testing Library and Cypress.

Achievements

- Played a crucial role in handling production environment incidents during incident handling rotations, showcasing strong troubleshooting skills in resolving issues promptly.
- Introduced app insights events to the Devportal, enhancing user behavior tracking and analytics capabilities.

Cambio Software Engineering (Pte) Ltd.

Role: Software Engineer

March 2020 - March 2021

- Cambio Software Engineering is a leading provider of IT solutions dedicated to enhancing healthcare and ensuring patient safety. Cosmic is their flagship product, a large-scale Electronic Healthcare Record system.
- Played a pivotal role in the comprehensive development of both client and server modules for Cosmic.
- Specialised in troubleshooting and updating legacy software, making necessary modifications to fix bugs and ensure compatibility with new hardware.
- Elevated the software quality by writing robust unit tests and integration tests, contributing to the reliability and maintainability of the system.
- Actively participated in code validation tasks, identifying and resolving SonarQube issues to enhance code quality.

Achievements

- Optimised the legacy codebase of Cosmic, resulting in a 9.7% reduction in processing time.

PROJECTS

School Management System

Technologies - Angular, Node JS, MongoDB, REST

- Implemented a Web Based School Management System for MR/ Pitabeddara Secondary School

Woofy

Technologies - HTML, CSS, JS, PHP, Ionic, MongoDB, FireBase

- Developed a social networking platform built with the aim of connecting Pet owners (As pets), Pet service providers and Associations together.

Android Mobile Applications

- Green Volts, Happy Water, IS Unit Converter, Doc 98

PUBLICATIONS

International Research Symposium on Pure and Applied Sciences

- Sinhala language based social media posts analysis for the detection of suicidal risk.

Technologies - Python, Selenium

TECHNICAL SKILLS

- **Programming languages** : Java, Python, JavaScript, Typescript
- **Web technologies**: React, Angular, HTML, REST, and CSS
- **Databases**: Oracle, MySQL, MongoDB, MSSQL, Sqlite
- **Cloud computing**: AWS
- **DevOps tools**: Docker and Kubernetes

REFERENCES

Available upon request