Dushan Senadheera
Software Engineering Undergraduate
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I'm a self-motivated undergraduate software engineer with a strong academic foundation, I specialize in full-stack web application development with a test-driven application development approach, cloud computing and DevOps exposure. My track record includes completing academic, individual, and freelance projects demonstrating adaptability, teamwork, analytical skills, and a keenness to explore new technologies. Furthermore, my knowledge areas include,

- Full-Stack Web Application Development *(React, NodeJS, ExpressJS, MongoDB, MySQL, NextJS)*
- UI/UX Design *(Figma)*
- Cloud Computing *(AWS)*
- DevOps *(GitHub Actions, Docker, Kubernetes, Linux, Bash Scripting)*
- Enterprise Application Development *(Java)*
- Mobile Application Development *(React Native)*
- Programming Languages (C, C#, Java, JavaScript, PHP, Python)

Individual Projects

MASS Group Co LTD Website (In progress)
Company portfolio to showcase their services and details
NextJS, TypeScript, Tailwind CSS, Aceternity UI, i18next, AWS

Aurora Grande Hotel (In Progress)
Hotel web application to showcase hotel information with admin dashboard to manage hotel reservations
React, Node, Express, MongoDB, SCSS, Material UI, Styled Components, JWT, PayPal API, Nodemailer

React Component Generator
NPM Package to easily create React functional components
React, Node, NPM

Portfolio website
Personal portfolio website to showcase details, projects, and blogs.
React, TypeScript, SCSS, Mantine UI

AIDA Japanese Language Institute
Japanese Language Institute website to showcase their services and details.
ReactJS, Mantine UI, AWS Amplify, Reacti18-next

Academic Projects

Movie ticket booking system
Web application for a movie theatre with features to browse and book seats for a movie.
ReactJS, NodeJS, Express, MongoDB, JWT, Websockets, GitHub Actions, Docker, Jest, Cypress, PayPal API, NodeMailer

Companion
Social media like mobile applications for volunteering, charity and fundraising to support the SDG Goals and Admin Dashboard for managing the system.
ReactJS, Flutter, NodeJS, Express, MongoDB, JWT, Material UI, AWS EC2 and Amplify

Discoid
Learning management system mobile application for university students.
Flutter, PHP, MySQL

ABC Cinema
Web application for a movie theatre with features to browse and book seats for a movie.
Java, JSP, Servlets, MySQL, PayPal API, SMTP Server

NiwahanaLK

Web application for placing advertisements related to house selling.
PHP, MySQL

Library Management System
Desktop application for managing library tasks.
C#, Windows Form Application, .NET, MS-SQL

Green City
Web application for Green Task Force to locate and clear garbage collection around the city.
PHP, MySQL, Google Map API

Automated Hydroponic Greenhouse
Automated hydroponic greenhouse with a plant monitoring system to automate greenhouse tasks.
C++, Arduino, PHP, MySQL

Research Project

Project Rover (2023 - 2024)
Sri Lanka travel destinations, accommodations, and dining places recommending system for local and foreign travellers. Further, this recommendation engine can be integrated into other applications as a SaaS (Software as a Service) API.
React, TypeScript, SCSS, Mantine UI, NodeJS, Express, Python, Scikit-learn, GitHub Actions, AWS

Education

2021 - 2024
B.Sc. (Hons) Software Engineering (First-class Honors)
NSBM Green University, Sri Lanka affiliated with
University of Plymouth, United Kingdom

2005 - 2019
Dharmapala Vidyalaya Pannipitiya
- GCE Advanced Level 2020 (Physical Science Stream)
- GCE Ordinary Level 2016

Certifications

Full-Stack development using MERN
University of Colombo, School of Computing, Sri Lanka

AWS Cloud Quest Cloud Practitioner
Amazon Web Services

IBM Certified Cloud Full Stack Developer
IBM Corporation

Machine Learning Specialization (In Progress)
DeepLearning.AI and Standford University, California

Master Spring & Springboot with Java (In Progress)
Udemy

Web Design for Beginners
University of Moratuwa, Sri Lanka

Involvements and achievements

IX - 23 Inter University UI/UX Hackthon
Informatics Information of Technology (IIT), Sri Lanka
Top 10 finalists from 150 teams

University double colours - 2022 and 2023
University colours for Karate
NSBM Green University, Sri Lanka

Research & Development Lead (Brand Marketing)
AIESEC in NSBM

Secretary of NSBM Karate Club
7th Kyu Karate Practitioner
NSBM Green University, Sri Lanka
associated with Kensho Karate International

References

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