Prasadi Sankalpana

Final Year Undergraduate

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🪪 PROFILE

Dynamic and dedicated Software Engineer with hands-on experience in Full-Stack Development. Proficient in Java, Spring Boot, C, Python, NodeJS, and ReactJS, with a strong focus on building scalable and efficient solutions. Skilled in problem-solving and delivering quality software in collaborative team settings. Passionate about staying updated with emerging technologies and driving innovation in software development

🎓 EDUCATION

B.Sc. (Hons) in Information Technology
University of Moratuwa ⧉
2021 – 2025 | Katubedda, Sri Lanka
CGPA : 3.4(Up to L3S2)

Advanced Level Examination
Sri Sumangala Balika M.V
Panadura, Sri Lanka
Z-Score: 1.4254

💼 PROFESSIONAL EXPERIENCE

Ceylinco Life ⧉
Intern software engineer
01/2024 – 07/2024
- Developed an internal system for sales representatives, focusing primarily on backend development.
- Gained hands-on experience with:
  - **Technologies:** Spring Boot, Spring Security, ReactJS, Material-UI (MUI), Redux, Full Calendar.
  - **Database:** MSSQL.
  - **Server Configuration:** Linux server setup and management.

Techylo Solutions
Technical Writer
04/2023 – 08/2024
- Worked as a part-time Technical Writer, responsible for creating comprehensive documentation for both local and international projects.

📁 PROJECTS

Context-Aware Damage Detection and Text Restoration in Sinhala Handwritten Documents(Ongoing) ⧉
A research-driven project dedicated to preserving Sinhala handwritten documents by detecting damage and restoring lost content using advanced image processing and NLP techniques.

My Role: Module 1 - Damage Detection & Classification. Led the development of the damage detection module, identifying and classifying issues like ink blotches, wear and tear, blurred text, and insect damage. This crucial step enables accurate restoration while maintaining the document's original integrity.
Technologies: Python, C++,OpenCV,Colab

Sales App
Developed during the internship at Ceylinco Life, this application is designed for sales representatives to manage their daily tasks. It allows them to view customer details and insurance policies and includes a diary function along with other features essential for their day-to-day activities.
Technologies: Spring Boot, Spring Security, ReactJS, MUI

🧠 TECHNICAL SKILLS

Programming Languages
HTML, CSS, JavaScript, Java, C, Python, SQL.

Testing Frameworks
Cucumber, Playwright

Databases
MongoDB, MySQL, MSSQL

Frameworks & Libraries
Spring Boot, Spring Security, NodeJS, React, React Native, Material-UI

Tools
Redux, Axios, Git, GitHub, Jupyter Notebook, Postman, VS Code, IntelliJ IDEA, Atmel Studio,Figma

🔖 CERTIFICATES

Introduction to Front-End Development
Meta | Credential: 92MHGETFYUS2

English for school leavers
University of Colombo(IHRA), Sri Lanka

💜 VOLUNTEERING EXPERIENCE

Leo Club (UOM) Writer, Project "ShilpaSara"
Rotaract Club (UOM) Web Developer, Project "HIH"

☘ REFERENCES

Dr.S.C. Premaratne,
Head of the department, Department of Information Technology, Faculty of Information Technology,
University of Moratuwa.
head-it@uom.lk, (+94) 71 441 3362

Mr.Asanga Wijewardana,
Senior Manager Software Delivery and Support,
Ceylinco Life Insurance Limited
asangaw5@gmail.com, (+94)77 325 2465

AppoMo- Appointment Management System ⧉
An appointment-making system combining web and mobile applications for service providers and customers. Customers can schedule appointments and submit issues, while service providers manage appointments and issue resolutions.
Technologies: React, React Native, NodeJs, MongoDB.

Personal Portfolio ⧉
A portfolio website designed to showcase skills, projects, and professional accomplishments.
Technologies: ReactJs, HTML, CSS.

OnlineSuperMarket ⧉
This project aims to deliver a smooth online shopping experience for customers, efficient inventory management for inventory keepers, and a simplified order delivery process for delivery personnel.
Technologies: Spring Boot, Spring Cloud Gateway, Kafka, Keycloak, Eureka Server.

ITQA_Reformers
Developed a robust end-to-end (E2E) test automation framework using Cucumber, Playwright, and TypeScript. The framework supports Behavior-Driven Development (BDD), ensuring test cases are readable and easily understood by all stakeholders.
Technologies: Cucumber, Playwright, TypeScript

Multifunctional Massaging chair ⧉
The Automated Massaging Chair is a hardware project designed to alleviate physical strain from extended computer use. It features a footrest, back massager, seat cooling, and an intelligent system that automatically turns off when no user is detected, ensuring safety and energy efficiency.
Technologies: C language, Atmel Studio, Proteus Simulation, KiCad

Byte_Blossoms ⧉
Microservices-based application using Node.js, integrating features such as user management, order placement, and inventory management with MongoDB, MySQL, and Firebase. Developed RESTful APIs for CRUD operations, ensuring data consistency and communication across distributed databases.
Technologies: Node.js, MongoDB, MySQL, Firebase