







Wijesekara Withanage Shihan Bhagya

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PROFILE

I am a recent graduate and a skilled software engineer with a strong foundation in Java, PHP, and web development frameworks like Laravel and Spring Boot. I have experience in coding, database design, and project documentation through academic projects and internships. I am passionate about delivering innovative solutions and eager to contribute to impactful results in a collaborative environment.

PROFESSIONAL EXPERIENCE

Software Engineer Intern

November 2023 – May 2024

Ministry of Home Affairs

Narahrenpita, Sri Lanka

During my 6 month internship as a software engineer at the ministry of home affairs, I developed three key projects using laravel framework: A land management system, a fund allocation and project monitoring system and a vehicle management system. I also involve with creating relational database models, designed ER diagrams, SRS documents and conducted requirement gathering sessions with stakeholders to ensure the successful execution of these projects.

Web Development Intern

January 2022 – July 2022

Adventa Holdings PVT (LTD)

Nawala, Sri Lanka

During this time, i worked on multiple projects using bubble.io, which is a visual programming platform. This experience enhanced my problem-solving abilities and teamwork skills in software development.

Software Development Intern

January 2019 – July 2019

Triangulum Solutions PVT (LTD)

Kirulapone, Sri Lanka

I work as a intern for 6 months at triangulum solutions, gaining practical software development experience. I contributed to the development of a pawning system for Crown Royal Holdings PVT(LTD) using Java Spring boot framework, Java Hibernate, and XML entity mapping, which enhanced my coding skills and understanding of software engineering.

PROJECTS

Fund Allocation and Project Monitoring System


Laravel Framework

Developed a system to track construction, renovation, and new projects by division, featuring graphical overviews of project completion and expenses. Built with Laravel, utilizing the Spatie library for user roles, permissions, and activity logs. Implemented JavaScript and Ajax for asynchronous communication and dynamic graph creation.

Land Management System

Laravel Framework

Developed a system for the development branch to manage information on acquired and non-acquired lands by division. The application features super admin and admin roles, allowing unique division management and report generation on land status. The super admin can monitor user activities through activity logs. Utilized the Spatie Laravel library for user roles, permissions, and activity logging, and implemented JavaScript and Ajax for asynchronous data fetching and form submissions.

Application: http://www.systems.moha.gov.lk/state_management/public/ 

Pawning System

Spring Boot

Contributed to the development of a pawning system utilizing Java, Spring Boot framework, Hibernate, and MySQL. Focused on implementing backend functionalities and database management to support efficient pawn transaction processing.

Health Detection and Wellbeing Management Application

Java

Developed a mobile application that integrates a reinforcement learning algorithm to personalize exercise plans for heart patients. Leveraged Python, TypeScript, JavaScript, and Java for cross-platform functionality. Implemented API integration to collect data from wearable devices, ensuring accurate tracking of patient metrics. Collaborated with healthcare experts to ensure adherence to medical standards.

EDUCATION

BSc in Software Engineering

Sri Lanka Institute of Information Technology

GPA - 2.4

February 2017 – September 2024

Malabe, Sri Lanka

Advance Level

Bio-Science

All the subjects are passed with 2C's and 1S.

2016

SKILLS

Java	<div><div></div><div></div><div></div><div></div><div></div></div>	PHP	<div><div></div><div></div><div></div><div></div><div></div></div>
MySql	<div><div></div><div></div><div></div><div></div><div></div></div>	MongoDB	<div><div></div><div></div><div></div><div></div><div></div></div>
JavaScript	<div><div></div><div></div><div></div><div></div><div></div></div>		

REFERENCES

Mrs. Chanaki Mallikarachchi, Director (IT),
Ministry of Technology /Ministry of Public Administration, Home Affairs, Provincial Councils and Local Government
dir_it@mot.gov.lk, +94 777 710 253

Mr. Senura Ruvinda Fernando, Senior Data Scientist, Axiata Digital Labs
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