

H M LASIRU MINRUK HEWANAYAKE

Gampaha, Sri Lanka | lasiru2225@gmail.com | +94 707827148 | [LinkedIn Profile](#) | [GitHub](#) | [Portfolio](#)

Professional Summary

I am a dedicated software engineering undergraduate with a strong passion for developing innovative software solutions that enhance organizational efficiency and drive success. I possess proven leadership skills, with experience motivating, educating, and managing teams to achieve project goals effectively

Education

BSc (Hons) in Information Technology (Specialized in Software Engineering)

SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY (SLIIT) | 2022 – 2026

School Education

MARIS STELLA COLLEGE, NEGOMBO | 2006 – 2019

Technical Skills

- **Backend:** Node.js, Express.js, Spring Boot, Java, PHP, RESTful APIs, Microservices, JWT, OAuth
- **Frontend:** React, Tailwind CSS, Material-UI, Kotlin, jQuery
- **Databases:** MongoDB, MySQL, Firebase
- **DevOps & Cloud:** Docker, Kubernetes, CI/CD (GitHub Actions), Vercel
- **Testing:** Jest, Mocha, Postman, React Testing Library, OWASP ZAP

Project Experience

1. Secure RESTful API for Personal Finance Tracker

(SE3040 – Application Frameworks | Individual Project | Mar 2025)

- Engineered a **secure backend API** using Express.js and MongoDB for financial management, featuring:
 - **Role-based access control** (Admin/User) via JWT authentication.
 - **Multi-currency support** with real-time exchange rates and recurring transactions.
 - Budget alerts, spending trends visualization, and custom transaction tagging.
- Implemented **OWASP security practices** (encryption, rate-limiting) and achieved **100% test coverage** (Jest, Postman).
- **Outcome:** Scored **75/100** for functionality and documentation.

2. Cloud-Native Food Ordering System (Microservices)

(SE3020 – Distributed Systems | Group Project | Team Member | Apr 2025)

- Led a **4-member team** to develop an UberEats-like platform using **Spring Boot and React**:
 - Designed **role-specific dashboards** (Customer/Restaurant/Delivery) with real-time order tracking.
 - Automated **driver assignment** via location-based algorithms and integrated **Stripe** for payments.
 - Containerized services with **Docker** and orchestrated using **Kubernetes**.
- **Outcome:** Achieved **50/100** for scalable architecture and seamless integration.

3. React Frontend for REST Countries API

(SE3040 – Application Frameworks | Individual Project | May 2025)

- Built a responsive **country data explorer** with React and Tailwind CSS:
 - Integrated **4+ REST Countries API endpoints** for dynamic search/filter (name, region, language).
 - Added optional Firebase authentication for saving favorite countries.
 - Ensured **85% test coverage** (Jest + React Testing Library) and deployed on Vercel.
- **Outcome:** Scored **85/100** for design and usability.

4. OSGi Microkernel Architecture (Producer-Consumer)

(SE3030 – Software Architecture | Group Project | Mar 2025)

- Developed a modular system using **Apache Felix (OSGi)**:
 - Created **producer bundles** (logging, data processing) and **consumer bundles** for dynamic service utilization.
 - Documented lifecycle management and inter-bundle communication.
- **Outcome:** Earned **60/100** for creativity in a library management scenario.

5. Surfing School Management System *(Team of 8 | Sep 2024)*

- Contributed to a full-stack system for managing surf school operations, including scheduling and payments.

6. Wildlife Safari Management System *(Team Leader | 4 Members | 2024)*

- Spearheaded development of a tracking system for safari tours, integrating GPS and payment modules.

7. MERN Stack Web App *(Group Project | ITP Module | 2024)*

- Developed a full-stack application with **MongoDB, Express.js, React, and Node.js** for inventory management.

8. Kotlin Mobile App (CRUD Operations) *(Individual Project | Mobile App Development | 2023)*

- Built an Android app using **Kotlin and Shared Preferences** to manage task lists with full CRUD functionality.