

LAHIRU JAYAWARDHANA

Software Engineering

 +94 76 179 9001
 lahiru.jsn@gmail.com
 linkedin.com/lahiru
 github.com/lahiru
 hackerrank.com/lahiru
 lahirujayawardana

ABOUT

Passionate Full Stack Developer with hands-on experience building scalable, maintainable web applications across both frontend and backend. Skilled in Python and Node.js for backend development, and proficient with modern UI frameworks like React.js, Angular, and Next.js. Strong focus on writing clean, secure, and efficient code, following Vibe Coding principles for maintainable and intuitive codebases. Experienced in real-time, event-driven systems, peer code reviews, and Agile delivery. Adept at debugging complex issues, integrating with CI/CD pipelines, and deploying to cloud platforms such as AWS and GCP. Thrives in both remote and on-site environments, and is driven to contribute to innovation-focused teams that prioritize sustainability, clean architecture, and purpose-driven technology.

EXPERIENCE

Software Engineering internship

Sept 2024 - Aug 2025

Axiata Digital Labs

- Developed a robust backend using Python (Flask), designing and implementing a modular API structure with separate endpoints for admin, public, user, and billing functionalities.
- Integrated MySQL as the backend database, handling data modeling, query optimization, and secure interaction through the Flask API.
- Built a RESTful API layer to support authentication, user operations, admin controls, and billing workflows, ensuring scalability and maintainability.
- Created dynamic, reusable Angular components for the frontend to interact seamlessly with the Flask API, enhancing UX and interface consistency.
- Deployed and managed cloud infrastructure using automation tools to provision cloud accounts, set up budgets, and enforce resource governance policies.
- Implemented AWS Lambda functions in Python to automate serverless tasks, improving response times and reducing operational overhead.
- Designed and implemented a custom logging system (error/info/debug levels) within the Python backend for better observability and issue tracking.
- Collaborated in an Agile team with QA and product stakeholders to deliver production-ready features and resolve bugs across both backend and frontend layers.
- Continuously enhanced the system based on changing business requirements, particularly in the cloud monitoring and billing modules.

Technologies : Angular, Python(Flask), AWS, AZURE, MYSQL , GCP

KEY SKILLS

Programming Languages

Java , JavaScript, Python, SQL

Backend Development

Microservices, REST APIs, Event-driven Architecture,

Frameworks & Libraries

Node.js, Express, React, Redux, Next js, React Native, Angular, Flask(Python)

Databases

MySQL, MongoDB

API Documentaion

Swagger

Tools & Plaforms

Git, Docker, Postman, Jira Collaboration: Agile Methodologies

PROJECTS

Sinhala to English Language Translator

 [GitHub/Pro-Translator](#)

A Sinhala to English Language Translator allows users to easily translate words, phrases, and even emojis between Sinhala and English. Additionally, if a word is searched five or more times, it is added to the "Remember List". This feature helps users enhance their vocabulary and knowledge by tracking frequently searched words, enabling them to focus on improving their language skills over time.

Technologies : React , Node , Express , MongoDB , Firebase , Javascript

Garbage Management App

 [GitHub/Waste-watch](#)

A Smart Waste Management App helps users monitor garbage bin levels and receive timely reminders for waste disposal. Built with React Native, the app features real-time notifications to alert users when bins reach a specified level, ensuring efficient waste management. Additionally, the reminder function helps users stay on schedule, promoting a cleaner environment through timely disposal actions.

Technologies : ReactNative , Node , Express , MongoDB , Firebase , Javascript

HealthCare System

 [GitHub/Healthcare](#)

I developed a Smart Hospital Management System that efficiently manages staff, patient records, diagnoses, and prescriptions. The system streamlines hospital operations by allowing seamless management of patient information and staff coordination. It enables tracking of patient diagnoses and prescriptions, ensuring accurate and up-to-date medical records. This platform enhances hospital management efficiency and improves overall patient care by providing easy access to critical information.

Technologies : React , Node , Express , MongoDB , Firebase , Javascript

Education

Sri Lanka institute of Information Technology 2022 oct-2026 June

BSc (Hons) in Information Technology specializing in Software Engineering

- Current academic Year: 4th year

National School Kamburupitiya

- GCE O/L-2016-6A's2B's1C(Music,ICT,Comm)
- GCE A./L - 2020-2B's(CM,Chem)1C(Phy)

Extra - Curricular Activities & Volunteering

- Member of LEO club at SLIIT

References

- References available on request