

LITHIRA JAYANAKA

FULL-STACK DEVELOPER

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PROFILE SUMMARY

Full-Stack Developer and Software Engineering undergraduate specializing in scalable web and cross-platform mobile application development. Technically proficient in **Java** (Spring Boot), the **MERN Stack** (MongoDB, Express.js, React.js, Node.js), **React Native**, and Python. Experienced in designing **RESTful APIs**, secure JWT authentication, payment gateway integration, and real-time communication systems. Adept at logical problem-solving and streamlined deployments using **Docker** and Vercel. A quick learner seeking a Junior Software Engineer role or Internship to leverage technical expertise in delivering innovative solutions.

CORE SKILLS

Programming Languages (Java, JavaScript, TypeScript, Python), **Backend Technologies** (Spring Boot, Jakarta EE, RESTful APIs, JWT Authentication, OAuth 2.0, Express.js), **Frontend Technologies** (React.js, React Native, JSP, Responsive Web Design), **Databases** (MongoDB, MySQL), **Development Tools** (Git/GitHub, Maven, Postman), **Technical Skills** (Full-Stack Development, API Integration, Microservices Architecture, Database Design, MVC Pattern, Layered Pattern, Agile Methodologies), **Soft Skills** (Team Leadership, Problem Solving, Project Management, Fast Learner, Adaptability), **Operating Systems** (Linux, Windows)

PROJECTS

Tripvisito – Ai Trip Management System | MERN Stack, Stripe API, Vercel, JWT

[\[Frontend Link\]](#) | [\[Backend Link\]](#) | [\[Go Live\]](#)

Developed a production-ready travel booking platform using the MERN stack. Designed secure JWT-based authentication with role-based authorization and implemented booking lifecycle management alongside an admin dashboard. Integrated the Stripe API for secure online payment processing and deployed frontend and backend applications on Vercel.

Skill Worker - Freelance Marketplace Platform | Spring Boot, Hibernate, Docker, JWT, WebSocket

[\[Frontend Link\]](#) | [\[Backend Link\]](#)

Designed and developed a full-stack freelance marketplace tailored for Sri Lanka. Built RESTful APIs and containerized backend services using Docker. Implemented secure authentication using JWT and Google OAuth, integrated the PayHere payment gateway for subscription management, and developed real-time chat functionality using WebSocket.

HabitFlux – Habit Tracking Mobile Application | React Native, Firebase, Firestore, Zustand

[\[Source code\]](#)

Developed a cross-platform habit tracking mobile application for Android and iOS. Implemented Firebase Authentication with Google Sign-In, built Firestore-based real-time data synchronization, and used Zustand for scalable state management. Generated production-ready APK builds using EAS.

EDUCATION

Graduate Diploma in Software Engineering (GDSE)

IJSE (Institute of Software Engineering)

Mar 2024 - Present

G.C.E Advanced Level - Mathematics Stream (2022)

St. Aloysius' College

Mar 2020 - Nov 2023

LEADERSHIP ACTIVITIES

Coordinator & Member - IJSE Student Committee: Coordinated student activities and events. Managed communication between students and academic staff.

Team Leader - Data Science Project (Code Pandas): Led a 4-member team in the "Strategic Patient Risk Stratification & Predictive Modeling" project.

REFERENCE

Mr. Shamodha Sahan

Senior Software Engineer | Lecturer at IJSE
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Mr. Udara San

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