

NISHMIKA EKANAYAKA

Homagama, Sri Lanka

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Summary

Software Engineering undergraduate with hands-on experience developing multiple real-world full-stack applications. Experienced with **Node.js**, **Spring Boot**, **React**, **Docker**, and **AWS**, building high-performance and user-centric full-stack systems. Focused on designing efficient, reliable software that delivers smooth and responsive user experiences.

Technical Skills

Languages: JavaScript, Java, Python, SQL

Backend: Node.js (NestJS, Express), Spring Boot, JWT, OAuth

Frontend: React, React Native, Next.js, Tailwind CSS

Databases: PostgreSQL, MongoDB

Cloud & Deployment: AWS EC2, Docker, Linux, Nginx Reverse Proxy

Tools: Git, GitHub, Postman

Projects

ResQ – Real-time Emergency Response Platform | *Next.js, NestJS, PostGIS, Mapbox, EC2* November – December 2025

- Implemented a real-time geospatial incident discovery system using PostGIS and Mapbox to identify nearby emergencies within a custom radius (10km) during flood crises, and deployed on AWS EC2 using Nginx reverse proxy.
- Designed secure and scalable REST APIs with OAuth and JWT authentication, optimizing query performance and pagination to maintain consistent responsiveness under growing data load.
- Launch App | Live Demo | GitHub

SkillSync.ai – AI-Powered Career Assistant | *NestJS, Gemini AI, TypeScript* January 2026

- Developed backend services leveraging the Gemini LLM API to analyze CVs and job descriptions and generate structured match scores and application-ready outputs.
- Integrated AI-powered backend services with a Chrome Extension to deliver low-latency, in-browser insights while ensuring secure data handling.
- Live Demo | GitHub

Travel Ceylon – Travel Booking Platform | *MERN Stack* April – December 2025

- Co-developed an all-in-one travel platform serving as a hub for local service providers to list taxi, accommodation, and travel services, enabling tourists and locals to discover and book offerings from a single interface.
- Designed and integrated RESTful backend APIs for real-time bookings and advanced filtering while collaborating in a 5-member team using a shared Git workflow.
- Live Demo | GitHub

HydraTrack – Mobile Water Intake Tracker | *React Native, Spring Boot, Docker* December 2025 – January 2026

- Built a secure Spring Boot backend with JWT authentication to track hydration data and maintain user streaks across devices with a aesthetic UI.
- Delivered a smooth, real-time mobile experience and containerized the full stack using Docker Compose to ensure consistent deployments.
- Live Demo | GitHub

Hangout – Temporary Real-time Chatroom Platform | *Node.js, Socket.IO* October – November 2025

- Built an event-driven real-time messaging backend capable of handling concurrent users with low-latency bidirectional communication.
- Optimized performance using in-memory state management and designed room lifecycle logic for efficient resource cleanup and predictable system behavior.
- Launch App | Live Demo | GitHub

Education

University of Sri Jayewardenepura

Bachelor of ICT (Hons), Specialization in Software Technology

- Current CGPA: 3.50 / 4.00

July 2023 – Expected 2027

Sri Lanka

Rahula College, Matara

G.C.E. Advanced Level (Technology Stream)

- Results: 3 As

2022

Sri Lanka

Certifications

Docker Foundations Professional Certificate

Docker Inc. & LinkedIn Learning

December 2025

Introduction to Programming Using Python

Kaggle

November 2024

Learning Git and GitHub

LinkedIn Learning

December 2025

Spring Boot 3 Essential Training

LinkedIn Learning

December 2025

Volunteering

Touch the Peak - Annual Job Fair

Career Skills Development Society, University of Sri Jayewardenepura

- Coordinated company outreach for the annual job fair by contacting organizations via phone and confirming their participation.
- Maintained and updated the employer participation list to support smooth event planning and communication.

2024

Sri Lanka

References

Dr. D. L. Chamara Pramod Liyanage

University of Sri Jayewardenepura, Faculty of Technology

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Senior Lecturer (Grade II)

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