

LAHIRU BANDARA

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with experience building scalable web applications and AI-driven systems. Skilled in backend development, performance optimization, and full-stack development using Laravel, React, and MySQL. Familiar with OpenAI APIs and agentic workflow automation, with a focus on developing efficient, real-world solutions.

WORK EXPERIENCE

Rangiri Holdings (Pvt) Ltd | Makola North, Makola, Sri Lanka.

Associate Software Engineer

Mar 2026 - Present

- Leading development and enhancement of ERP modules supporting apparel production workflows.
- Optimizing backend performance using Laravel and MySQL through query tuning and efficient data handling.
- Improving system reliability and usability by refining existing features and resolving production issues.

Software Engineer Intern

Jul 2025 - Feb 2026

- Developed full-stack features using Laravel, React, and MySQL to digitize production workflows.
- Built responsive user interfaces and backend functionalities to improve operational efficiency.
- Collaborated in code reviews and Agile workflows to maintain code quality and system performance.

EDUCATION

Bachelor of Computer Science

2022 - 2025

Trincomalee Campus, Eastern University Sri Lanka | GPA - 3.5

G.C.E Advanced Level (2020)

2016 - 2019

Govt. Science College Matale | Physical Science Stream

SKILLS

- Programming Languages:** Python, Java, JavaScript, PHP, C#
- Frameworks & Libraries:** React.js, Next.js, Node.js, Laravel, Django
- Databases:** MySQL, MongoDB
- AI / ML:** PyTorch, OpenAI API, Agentic Workflows, Prompt Engineering,
- DevOps & Cloud:** Docker, AWS (EC2), Linux
- Tools & Design:** Git, GitHub, Figma
- Soft Skills:** Problem Solving, Strong communication, Continuous Learning, Time Management, Adaptability

CERTIFICATIONS

- Interactivity with JavaScript - Coursera [🔗](#) **June 2024**
- Web Design for Beginners - University of Moratuwa **May 2024**
- Learning Python - LinkedIn Learning [🔗](#) **March 2024**
- Laravel Essential Training - LinkedIn Learning [🔗](#) **August 2025**

PROJECTS

Barbershop Management System [🔗](#)

January 2026

Technologies : **Laravel 12, Livewire 3, Tailwind CSS, MySQL**

- Developed a full-stack barbershop management system using Laravel 12, Livewire, and Tailwind CSS, featuring appointment scheduling, barber and service management, role based authentication, and a responsive, high performance user interface optimized for real time operations.

Full Stack Authentication System [🔗](#)

May 2025

Technologies : **React, Node.js, Express.js, MongoDB, JWT**

- Engineered a secure MERN stack authentication architecture utilizing JWT strategies and bcrypt hashing for encrypted data protection and scalable session management.

Black Pepper Leaf Disease Detection System [🔗](#)

July 2025

Technologies : **PyTorch, Python, React.js, FastAPI, CNN**

- Developed an automated diagnosis system using PyTorch and CNN (ResNet18), deployed via FastAPI to a React interface for real time plant pathology identification and treatment recommendations.

Knowledge Decay Detection Agent [🔗](#)

December 2025

Technologies : **Python, OpenAI API, PyGithub, Streamlit, Pandas**

- Built an agentic Python tool that scans local/GitHub Markdown docs, uses LLM prompts to detect stale content, and reports results via a Streamlit dashboard with progress and tabular summaries.

AI PDF Analyzer & Summarizer [🔗](#)

June 2025

Technologies : **Python, Flask, OpenAI, scikit-learn, SQLite**

- Engineered a Generative AI application utilizing OpenAI APIs and Vector Search to provide intelligent document summarization and context-aware Q&A with optimized token management.

LANGUAGES

- English (**Fluent**)
- Sinhala (**Native**)

EXTRA-CURRICULAR ACTIVITIES

- Committee Member, Computer Science Society - Trincomalee Campus **2023 - 2025**
- Active Member, University Badminton Team - Trincomalee Campus **2023 - 2025**

REFERENCES

Mr. P.R.D.N. Polgampala

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