



Yasas Lekamge

Associate Software Engineer

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PROFILE

Associate Software Engineer at X4 DigitalLabs with experience building and deploying full-stack production systems. Skilled in **Next.js, TypeScript, and PostgreSQL**, with hands-on experience in RBAC systems and financial modules. Equally strong on **DevOps** - cloud deployment (Azure, AWS), Nginx, PM2, Docker, and CI/CD. Passionate about owning software end-to-end, from code to production.

EDUCATION

Higher National Diploma in Software Engineering, 2024 – 2025
National Institute of Business Management Kandy

SKILLS

Languages: JavaScript, TypeScript, C#, PHP

Frontend: React, Next.js, HTML, CSS, Tailwind, Shadcn

Backend: Node.js, Express.js

Tools: Git, Postman, Prisma ORM

Databases: PostgreSQL, MySQL, MongoDB

DevOps & Cloud: Microsoft Azure, AWS, CI/CD, Linux, Nginx, Docker

PROJECTS

School Management System, *Individual project* 11/2025 – 02/2026

- **Description:** Full-stack, multi-branch school management system for Vertex International School, live in production, handling admissions, attendance, exams, finance, HR, inventory, and analytics.
- **Deployment:** Deployed to **Azure Virtual Machine**, configured **Nginx** as a reverse proxy, managed the Node.js process with **PM2**, set up SSL, and handled domain/environment configuration.
- **Technologies:** Next.js 14, React, TypeScript, PostgreSQL, Prisma, NextAuth, Tailwind, MUI.
- **Role:** Full-stack developer designed DB, built APIs, implemented RBAC, developed finance logic, and deployed to production.

Paragon Motors 🍷, *Individual Project*

- **Description:** Developed a POS system for a vehicle spare parts shop, currently in active use.
- **Technologies:** C#, MySQL Workbench
- **Role:** Developer responsible for backend and frontend development.

Blockchain Notes Keeper Application *🔗 , Individual Project*

- **Description:** Built a decentralized notes-storing web app using blockchain for secure and immutable data storage with a React-based frontend.
- **Technologies:** Blockchain, ReactJS, Motoko
- **Role:** Full-stack developer handling smart contracts and frontend integration.

Notepad Application with Google OAuth *🔗 , Individual Project*

- **Description:** Built a secure notepad app with Google OAuth and local registration using hashed passwords for user authentication.
- **Technologies:** JavaScript, Node.js, EJS, Express.js, PostgreSQL
- **Role:** Full-stack developer implementing authentication and frontend features.

Blog Web Application *🔗 , Individual Project*

- **Description:** Developed a blog platform for users to explore posts and for admins to manage content via CRUD operations.
- **Technologies:** JavaScript, EJS, Node.js, Express.js, MongoDB
- **Role:** Full-stack developer handling backend and frontend integration.

POS System for a Phone shop *🔗 , Individual Project*

- **Description:** Developed a custom POS system for inventory, transactions, and customer management for a phone shop.
- **Technologies:** PHP, JavaScript, Bootstrap, HTML/CSS, MySQL, PHP Frameworks, MySQLi
- **Role:** Full-stack developer building backend logic and frontend interface.

CERTIFICATES

THE COMPLETE 2024 WEB DEVELOPMENT BOOTCAMP

(Udemy) - 61.5 hours

Master DevOps with AI, AWS, GCP, Linux, Jenkins, Gitlab, GithubActions, Docker, Kubernetes, Terraform, Ansible & GitOps

(Udemy) - 64 hours

100 DAYS OF CODE: THE COMPLETE PYTHON PRO BOOTCAMP

Udemy - 56.5 hours (Ongoing)

EXTRACURRICULAR ACTIVITIES

MEMBER OF UNIVERSITY IT SOCIETY | KANDY NIBM, 2024 - Present

MEMBER OF STEMUP VOLUNTEERS | KANDY NIBM, 2024 - Present

MEMBER OF ROTARACT CLUB OF KANDY METROPOLITAN, 2024 - Present

MEMBER OF SCHOOL PREFECT BOARD, 2018 - 2019

ALL ISLAND AGE GROUP BADMINTON CHAMPIONSHIP, 2015

REFERENCES

Ms. Anjula Weerasinghe, Consultant / Lecturer,

Science Department of IT NIBM

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Mr. Manjula Kulathunga, CEO and Senior Software Engineer,

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