Yasiru Nisal Kulasinghe

Software Engineering Undergraduate — DevOps Cloud Enthusiast — Open-Source Contributor

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Professional Summary

Innovative and results-oriented Software Engineering undergraduate with a passion for Cloud Computing, DevOps automation, and AI-driven applications. Experienced in building and deploying scalable applications using AWS, Docker, and CI/CD pipelines. Strong contributor to open-source projects, with hands-on exposure to full-stack development, cloud infrastructure, and automation frameworks. Recognized for problem-solving, collaboration, and delivering impactful solutions in both individual and team-based projects.

Education

SLIIT City Uni   Sri Lanka

B.Sc. (Hons) Computer Science and Software Engineering – University of Bedfordshire   *Expected 2026*

S. Thomas' College Bandarawela

Advanced Level Completed

Technical Skills

- **Programming:** Java, Python, C, C++, JavaScript

- **Web Development:** HTML, CSS, React.js, Node.js, Express.js, PHP

- **Cloud DevOps:** AWS (S3, EC2, IAM, Lambda), Docker, Kubernetes (basic), GitHub Actions, CI/CD, Linux, Shell Scripting

- **Databases:** MySQL, MongoDB

- **Other Tools:** Git, GitHub, Figma, Postman, Agile/Scrum

Experience

Freelance Partner: Cypex Tech IT Solutions   Present

Small Team Freelance Projects

- Collaborated in a small team to deliver end-to-end IT solutions, including web, mobile, and cloud applications for diverse clients.

- Developed and deployed a scalable **E-Commerce Platform** using Next.js, Stripe, and AWS for secure payments and high performance.

- Built a cross-platform **Mobile Health Application** with Flutter and Firebase, enabling real-time data synchronization and notifications.

- Implemented a cloud-based **ERP System** using React, Node.js, and Docker to streamline client business operations.

- Contributed to CI/CD automation, Docker containerization, and cloud infrastructure setup on AWS for faster, reliable deployments.

- Enhanced project efficiency, maintained quality standards, and ensured client satisfaction through continuous feedback and agile collaboration.

University Project: Anime Book-Selling Web Platform

Self-Initiated Project

- Developed and deployed a responsive e-commerce platform with HTML, CSS, JavaScript, PHP, and MySQL.

- Built an admin dashboard to manage inventory, orders, and analytics.

- Project is pinned on GitHub as a portfolio highlight.

Key Projects

AI-Powered Web Application   Ongoing

- Designed an intelligent web app with chatbot integration and personalized recommendations using React.js and Node.js.
- Deployed on AWS with Docker for scalability.

Tech Repair Shop Management System   2023

- Developed a Java Swing desktop application to optimize workflow management for repair shops.
- Applied OOP principles and file-based persistence mechanisms.

Certifications

- **Web Design for Beginners** – University of Moratuwa

- **Introduction to Cloud Computing** – Simplilearn

- **AWS Certified Cloud Practitioner** – Amazon AWS (Ongoing)

Languages

- **English:** Fluent

- **Sinhala:** Native / Expert

Referees

- **Lahiru Vitharana**
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