

M. D. Akila Pramod

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👤 Profile

Aspiring DevOps Engineer and Computer Science undergraduate with hands-on experience managing on-premises infrastructure at Sri Lanka Telecom PLC. Experienced in virtualization using Proxmox, Linux system administration, and containerized application deployment with Docker. Passionate about automating workflows to deliver reliable, production-ready services.

🎓 Education

BSc (Hons) Computer Science, 01/2024 – 2027
Informatics Institute of Technology affiliated with University of Westminster 🌐

💼 Work Experience

DevSecOps - Intern, *emojot* 🌐 03/2026 – Present
Colombo, Sri Lanka

DevOps Engineer - Trainee, *Sri Lanka Telecom* 🌐 08/2025 – 02/2026
Colombo, Sri Lanka

- Designed and implemented complete CI/CD pipelines for a microservices-based project, reducing deployment time from days of manual effort to ~7 minutes through full automation.
- Built and deployed scalable microservices with containerizing Docker and automated build, test, and deployment workflows with a CI/CD pipeline.
- Collaborated across development and operations responsibilities, contributing as both a DevOps engineer and backend developer.

📁 Projects

echannelling.com Revamp, *Internship Project* 09/2025 – Present

- Designed, implemented, and maintained **end-to-end CI/CD pipelines** for containerized backend services, reducing deployment time from days of manual effort to ~7 minutes.
- Containerized backend services using **Docker** and automated build, test, and deployment workflows using **CI/CD pipelines**.
- Developed backend API services using **NestJS**, leveraging **Prisma ORM** with **PostgreSQL** for reliable data persistence.
- Administered and maintained **RHEL-based on-prem Linux virtual machines**, ensuring system availability, security, and operational stability.

Tech Stack: NestJS, PostgreSQL, Prisma, Docker, CI/CD, Nginx, Linux

AI based Presentation Coach 🌐, *Presently* 09/2024 – 03/2025

- Built an end-to-end **CD pipeline** with GitHub Actions and Docker to automate cloud deployment, removing the need for manual redeployment during iterative feature development.
- Engineered a **secure, scalable RESTful backend** with FastAPI and PostgreSQL.
- Integrated **Gemini API** to improve NLP analysis and response accuracy.

- Streamlined deployment of **heavy ML workloads** (Whisper TTS, MediaPipe vision models) through automated cloud orchestration, significantly improving development velocity and deployment reliability.

Tech Stack: FastAPI, PostgreSQL, Flutter, GitHub Actions, Docker, GCP, Mediapipe, Whisper, Gemini API

Event Ticketing System [↗](#)

09/2024 – 12/2024

- Built a thread-safe, real-time ticketing system for multiple customers and vendors using OOP principles in Java.
- Deployed full-stack ticketing system on **Azure App Service**
- Managed deployment and resource organization using **Azure CLI** and **Azure Resource Groups**

Tech Stack: Java, Spring Boot, React.js, Azure App Service

Skills

DevOps - CI/CD, Docker, Github Actions, Grafana, Prometheus, Azure, Podman

DevOps - CI/CD, Docker, Github Actions, Grafana, Prometheus, Azure, Podman

SWE - Spring Boot, FastAPI, NestJs, ExpressJs, React.js, Flutter, Jetpack Compose

Frontend Technologies - React.js, Flutter, Jetpack Compose

Languages - Java, Python, Bash, SQL, Kotlin, Dart, Golang

Professional Skills - Cross-functional collaboration, Problem solving & root-cause analysis

Certificates

Linux Foundation - Introduction to DevOps and SRE (LFS162) [↗](#)

Linux Foundation - Introduction to Kubernetes (LFS158) [↗](#)

Linux Foundation - Introduction to Linux (LFS101) [↗](#)

AWS - Build and Deploy APIs with a Serverless CI/CD

KodeKloud - 100 days of AWS, Terraform and Kubernetes — (in-progress)

Volunteering

- Assisted in planning and organizing IET Summer School and IET Cipher, coordinating logistics and supporting event execution. 12/2024 – present
- Collaborated with teams in hackathons and events, taking on both supportive and leadership roles to contribute to our success. 05/2024 – present

Reference

Suresh Peries

Co Founder at Inforwaves,
Sri Lanka

Visiting Lecturer at IIT

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Pamuda Balasooriya

Software Engineer,

Sri Lanka Telecom PLC

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