Kalhara Batangala

DevOps Engineer & System Administrator

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About Me

Computer Engineering graduate with hands-on experience in DevOps practices, including CI/CD pipelines, Infrastructure as Code (IaC) and cloud orchestration using Azure and AWS. Proficient in containerization with Docker and Kubernetes, system monitoring with ELK Stack and Zabbix, and automating deployments to ensure high availability and security compliance. Experienced in optimizing IT infrastructures for efficiency, with a proven track record in troubleshooting and enhancing digital platforms during a 6-month internship at Sri Lanka Telecom PLC. Interested in contributing to dynamic teams as a DevOps Engineer.

Education

- BSc (Hons) in Computer Engineering (Second Class Upper Division) | University of Sri Jayewardenepura. (2021 - 2025)
- GCE A/L | Kegalu Vidyalaya (2005 - 2019)

Skills

Technical Skills:

- Cloud Platforms: Azure (AKS, Virtual Machines, App Service, Application Gateway), AWS (EC2, Elastic Beanstalk, ECS, EKS, S3, RDS, DynamoDB)
- Containerization & Orchestration: Docker, Kubernetes, Calico
- CI/CD & Automation: Jenkins, Azure DevOps, Git (version control)
- Monitoring & Observability: ELK Stack (Elasticsearch, Logstash, Kibana), Zabbix
- System Administration: Linux/Windows, Red Hat Enterprise Linux, VMware ESXi
- Other: Node.js, Django, Flask, MongoDB (for web application hosting)

Soft Skills:

Time management, critical thinking, problem solving, communication, teamwork, knowledge sharing, resource management, and adaptability to dynamic environments.

Experience

2024/06 - 2024/12

6 Months Internship in Sri Lanka Telecom PLC

- Implemented CI/CD pipelines using Jenkins and Azure DevOps, automating deployments for web applications and reducing deployment time by 30%.
- Managed Kubernetes clusters (AKS and EKS), orchestrating containerized workloads to ensure high availability and scalability for digital platforms.
- Configured and hosted static websites on AWS S3 and Elastic Beanstalk, integrating with ECS for containerized services while adhering to security best practices.
- Monitored and troubleshot systems in Linux and Windows environments using ELK Stack and Zabbix, resolving issues to maintain 99.9% uptime.
- Applied Infrastructure as Code (IaC) principles with Azure Virtual Machines and Application Gateway, optimizing resource allocation, and performing cost analysis.

Azure Administrator - AZ104

Self-Directed Learning | 2024

- Gained expertise in Azure resource management, performance monitoring, security implementation, and cost optimization through hands-on labs and simulations.

Cloud Services Tutor

Sri Lanka Telecom PLC – Digital Platforms | 2024

- Led technical workshops on DevOps and cloud services, delivering hands-on demonstrations to 20+ participants, enhancing team knowledge on automation and monitoring tools.

Projects

Static website hosted on Amazon S3, Coffeeshop-Amazon S3 ↗.   2025 - 03

- Deployed a scalable static website (Coffeeshop) on AWS S3, configuring bucket policies. Ensured security compliance with IAM roles and HTTPS enforcement.

React Application hosted on Azure App Service, Pedro's Pizzeria ↗.   2025 - 03

- Developed a MERN stack web application for library record management, deployed on AWS Elastic Beanstalk.

Web Application Hosting Pipeline   2024 - 11

- Built a CI/CD workflow using Jenkins to deploy a Node.js app on Azure App Service, incorporating security scans and automated testing.

System Monitoring Dashboard   2024 - 11

- Created custom dashboards in Kibana for real-time observability of virtualized environments (VMware ESXi), identifying and resolving performance bottlenecks.

Book Store Project - MERN Stack, BookStore-Project ↗.   2024 - 04

- This is a Node.js application developed on MERN stack technology. This web application is will help to keep the records of the all the books of libraries and retrieve them efficiently

Online Courses & Certifications

AWS Cloud Practitioner (Pending) ↗   2025

AWS Educate Introduction to Cloud 101 ↗   2025

AWS Cloud Quest - Cloud Practitioner ↗   2025

Introduction to Deep Learning for computer vision ↗   2024

Machine Learning ↗   2024

Unity and C# basics ↗   2024

Introduction to image processing ↗   2024

Volunteer

Vice President of CENSOC - FOE USJ 23/24

Coordinated and facilitated awareness sessions in collaboration with leading tech companies, enhancing the technical knowledge and skills of the university community.

Referees

Dr. Udaya Wijenayake

Head of the Department, Senior Lecturer
Department of Computer Engineering
Faculty of Engineering,
University of Sri Jayewardenepura
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Mr. Pamuda Balasooriya

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