

Kavindu Fernando

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Professional Summary

Experienced Cloud Computing Engineer with 4+ years of expertise in cloud architecture, DevOps automation, and infrastructure management. Specialized in AWS and Kubernetes-based deployments. Strong background in designing scalable, fault-tolerant, and secure cloud-native applications.

Core Competencies

- Cloud Architecture Design
- Infrastructure as Code (IaC)
- CI/CD Implementation
- Containerization & Orchestration
- Cloud Security & Compliance
- Performance Optimization

Technical Skills

Cloud Platforms:

- Amazon Web Services (AWS)
- Google Cloud Platform (GCP)

AWS Expertise:

- EC2, ECS, EKS
- S3, Glacier
- RDS, DynamoDB

- IAM, VPC, Route 53
- Auto Scaling & Load Balancing

DevOps & Automation Tools:

- Docker
- Kubernetes
- Terraform
- Ansible
- Jenkins
- GitLab CI/CD

Programming & Scripting:

- Python
- Shell Scripting
- Node.js (Basic)

Monitoring & Logging:

- CloudWatch
- Prometheus
- Grafana
- ELK Stack

Professional Experience

Senior Cloud Engineer

SkyTech Innovations – Colombo
2023 – Present

- Designed multi-region AWS infrastructure for high availability.
- Implemented Kubernetes clusters for microservices architecture.
- Automated infrastructure provisioning using Terraform and Ansible.
- Reduced deployment time by 40% through CI/CD automation.
- Implemented security best practices including IAM policies and encryption.

Cloud & DevOps Engineer

DigitalWave Solutions – Sri Lanka
2021 – 2023

- Migrated monolithic applications to containerized microservices.
- Configured AWS networking (VPC, Subnets, NAT, Security Groups).
- Integrated monitoring solutions using Prometheus and Grafana.
- Improved system reliability and reduced downtime.

Key Projects

Enterprise Cloud Migration

- Led migration of on-premise infrastructure to AWS cloud.
- Designed disaster recovery architecture with automated backups.
- Achieved 30% cost savings after migration.

Kubernetes Production Deployment

- Managed production-grade Kubernetes cluster.
- Implemented rolling updates and blue-green deployments.
- Improved scalability and performance of applications.

Education

Bachelor of Science (Hons) in Software Engineering
University of Peradeniya
2016 – 2020

Certifications

- AWS Certified Solutions Architect – Professional
- Certified Kubernetes Administrator (CKA)
- HashiCorp Terraform Associate