

Shamal Jayathilake

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Summary

Experienced DevOps Engineer with expertise in cloud technologies (AWS, GCP), automation and cyber security. Skilled in container orchestration (Kubernetes, Docker), CI/CD, infrastructure management, and incident responding. Extensive experience in Linux environments, including system administration and security hardening. I have a strong interest in learning new technologies with a clear and deep understanding.

Technical Skills

Cloud Platforms: AWS, GCP, Huawei, Azure, OCI

DevOps Tools: Kubernetes, Docker, GitLab, Jenkins, Ansible, Terraform, Helm, BitBucket, SonarQube, Nginx, Nexus, OpenShift

Monitoring Tools: Nagios, ELK, Grafana, Prometheus, CrowdStrike, Dynatrace, Zipkin, Fluentd, Cadvisor

Programming Languages: Python, Bash, Java, C/C++

Web: HTML, CSS, JavaScript, PHP, CodeIgniter, Node-Red, ReactJS

Engineering Tools: MiniNet, Packet Tracer, OpenDaylight, MatLab, SolidWorks, SQL, Altium, Vivado

Experience

DevOps Engineer

Axiata Digital Labs

Nov 2022 – Present

Sri Lanka

Manage DevOps operations on GCP, AWS, and Huawei Cloud.

Implemented CI/CD pipelines with Jenkins, GitLab, Docker, and Kubernetes. Tasks automation using Ansible and scripting.

Engaged in DevSecOps tasks like vulnerability assessment and incident responding.

Engineer - Cyber Security

Millennium IT ESP

May 2022 – Nov 2022

Sri Lanka

Worked on infrastructure security projects, focusing on WAF, VPN, DDoS protection, and cloud security.

Engaged with products from vendors like F5, Arbor, Imperva, and Zscaler.

Network Engineer - Internship

Millennium IT ESP

Oct 2020 – Apr 2021

Sri Lanka

Engaged in enterprise solutions projects including SDWAN deployment and device migrations.

Worked with Cisco, Fortinet devices using Python, JavaScript, and Packet Tracer.

Education

M.Sc. in Computer Science (Reading)

University of Moratuwa

2025 – Present

Sri Lanka

B.Sc. Eng. (Hons) in Electronics and Telecommunication Engineering

University of Moratuwa

2017 – 2022

Sri Lanka

GPA: 3.45

Secondary Education

Kegalu Vidyalaya, Kegalle

2002 – 2016

Sri Lanka

G.C.E. A/L: Z-score 1.9803, District Rank 14, 9A's in G.C.E. O/L

Certifications

Certified Kubernetes Security Specialist (CKS) - In Progress

Google Cloud Certified - Professional Cloud Architect - In Progress

Certified Kubernetes Administrator (CKA)

Cisco Certified Network Associate (CCNA)

Linux Systems Administration - DevOps Engineering

Oracle Cloud Infrastructure Foundations 2021 Associate

Cisco CyberOps Associate

Aviatrix Certified Engineer - Multi-Cloud Network Associate

Projects

Golden Image - DevSecOps <i>Axiata Digital Labs</i> Creating harden OS images and ansible playbooks following CIS benchmarks.	2025 - Present
Telco Projects - DevOps <i>Axiata Digital Labs</i> Managed GCP-hosted production and lower environments with DevOps and DevSecOps responsibilities. I was able to improve the stability of the application environment while achieving a cost reduction about 5%.	2024 - Present
ADL Common Infrastructure (DevOps and Security) <i>Axiata Digital Labs</i> Handle DevOps and DevSecOps responsibilities for ADL's common infrastructure. Works with AWS, Jenkins, GitLab, Nginx, Kubernetes, SonarQube, Nexus, OpenShift and etc. Performed incident investigation, Linux environment hardening, ISO audits, CI/CD tool upgrades & implement cloud cost optimization strategies.	2022 - Present
Digital Telco Enabler <i>Axiata Digital Labs</i> Work on microservice platform "DTE", a fully automated CI/CD toolchain using Huawei Cloud and AWS. Engaged with its DevOps and DevSecOps responsibilities.	2022 - Present
SuperApp - DevOps <i>Axiata Digital Labs</i> Managed an AWS EKS infrastructure using Kubernetes, and monitoring tools (ELK, Prometheus, Grafana, Zipkin, Nagios).	2023
Real-Time Assets Monitoring System <i>Final Year Project</i> Developed a BLE-based asset tracking system using C++, Python, Node-Red, and Raspberry Pi, achieving real-time monitoring with high accuracy about 90%.	2022
F5 LoadBalancer and WAF Configuration <i>Millennium IT ESP</i> Managed LoadBalancers and WAFs for multiple banks and ISPs	2022
Arbor DDoS Detection and Defense <i>Millennium IT ESP</i> Configured and troubleshot Arbor infrastructure for an ISP, reducing DDoS impact.	2022
SDWAN Implementation <i>Millennium IT ESP</i> Implemented Fortinet SDWAN solution at multiple bank branches in Sri Lanka, enhancing its network.	2021
Cisco L3 Switch Migration Project <i>Millennium IT ESP</i> Installed and configured Cisco L3 switches at multiple bank branches across Sri Lanka.	2021