M. D. Akila Pramod

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Colombo, Sri Lanka akilapramod m-d-a-pramod

Profile

Associate DevSecOps Engineer with hands-on experience securing and automating multi-account AWS infrastructure using Terraform, ECS, and CI/CD. Experienced in remediating critical cloud security findings, strengthening production messaging infrastructure, restoring staging environments, and optimizing cloud costs while maintaining operational reliability.

Work Experience

Emojot (Pvt) Ltd Sep 2026 – Present
Associate DevSecOps Engineer Colombo, Sri Lanka

- Owned production-facing AWS security remediation across Development, Staging, Production and management accounts, addressing Critical/High Security Hub findings across S3, EC2, Security Groups, GuardDuty, Inspector, RDS, ElastiCache and SSM.
- Completed Production SQS hardening, replacing public/broad access policies with least-privilege permissions while preserving email campaigns, workflow notifications, SES events, and DLQ processing.
- Conducted infrastructure/security audits of legacy application components and data flows, identifying configuration and security risks across AWS-hosted services.

DevSecOps Engineer - Intern Mar 2026 – Sep 2026
Colombo, Sri Lanka

- Restored and modernized a dormant AWS staging environment, enabling Development and QA activities to run independently and reducing production-release risk.
- Designed and implemented an ECS Spot + On-Demand capacity-provider strategy for non-critical Development workloads, reducing EC2 costs by up to ~65%.
- Managed AWS infrastructure with Terraform, including ECS, CodePipeline/CodeBuild, ECR, IAM, networking, load balancing and existing-resource imports.
- Started the SQS security-remediation program in Development and Staging, identifying legitimate producers/consumers and replacing public access with least-privilege policies.
- Modernized legacy Node.js, NGINX, Tomcat and Python base images through EOL, vulnerability and compatibility analysis.

Sri Lanka Telecom Aug 2025 – Feb 2026
DevOps Engineer - Intern Colombo, Sri Lanka

- Designed and implemented end-to-end CI/CD pipelines for the eChannelling.com platform revamp, reducing deployment time from days of manual work to approximately 7 minutes.
- Containerized backend microservices using Docker and automated build, test, and deployment processes to streamline development workflows.
- Administered RHEL-based Linux virtual machines and contributed to backend development using NestJS, PostgreSQL, and Prisma.

Skills

- **Cloud :** AWS ECS, EC2, S3, SQS, SNS, Lambda, ElastiCache, ECR, VPC, IAM, API Gateway, CloudWatch
- **Security:** AWS Security Hub, GuardDuty, Inspector, IAM, least-privilege access, vulnerability remediation
- **Infrastructure as Code:** Terraform
- **Containers:** Docker, ECS, ECR, Podman
- **CI/CD:** AWS CodePipeline, CodeBuild, CodeDeploy, Bitbucket Pipelines, GitHub Actions
- **Monitoring:** CloudWatch, Grafana, Prometheus
- **Scripting:** Bash, Python
- **Version Control:** Git, Bitbucket, GitHub

Education

BSc (Hons) Computer Science, Jan 2024 – 2027
Informatics Institute of Technology affiliated with University of Westminster
Study Mode: Part-time (Weekend Programme)

Projects

AI based Presentation Coach, *Presently* Sep 2024 – Mar 2025

- Built a Docker-based CI/CD workflow with **GitHub Actions** to automate application deployment to GCP, eliminating manual redeployment during development iterations.
- Developed and deployed a **FastAPI/PostgreSQL** backend integrating AI/ML workloads, gaining hands-on experience operating containerized cloud applications.
- **Academic Recognition:** Achieved 81% for the second-year group project and was shortlisted for IIT Cutting Edge 2026.

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

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

AWS - Application Networking Demonstrated

Reference

Ravindu Fernando
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Andun Liyanagunawardana
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