

Mythilie. S

AWS DevOps Engineer

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PROFESSIONAL SUMMARY

Experienced AWS Certified DevOps Engineer with 3.3 years of experience specializing in automating cloud, configuring, and optimizing deployments in AWS cloud environments. Expertise in leveraging CI/CD pipelines, Infrastructure-as-Code, and cloud security measures to ensure seamless delivery.

Strong collaboration with development and QA teams has led to on-time releases and reduced deployment errors.

WORK EXPERIENCE

Freelance AWS DevOps Engineer, Freelancer, April 2024 – Present

- Set up full CI/CD pipelines using **Jenkins**, SonarQube, Trivy, and ArgoCD for microservice deployments on EKS.
- Deployed high-availability AWS architecture for client web apps using **Terraform**, **Route 53**, and **Application Load Balancers**.
- Conducted weekly security audits on IAM roles and CloudWatch logs, improving compliance posture across environments.
- Designed scalable VPC architectures with private/public subnets, NAT Gateways, and custom NACLs.
- Delivered 100% of freelance DevOps projects on-time with fully automated, version-controlled infrastructure deployments.

AWS DevOps Engineer, [Corent Technology](#), Jan 2022 – Mar 2024

- **Developed Jenkins pipelines** for Java-based applications by integrating GitHub, SonarQube, and Docker, **reducing build time by 1 Sprint** and improving deployment velocity across 3 environments.
- **Automated end-to-end deployment to Kubernetes (EKS)** using Argo CD, eliminating manual configuration errors and improving release consistency by 85%.
- **Created reusable Terraform modules** for AWS provisioning (EC2, VPC, S3, RDS), streamlining infrastructure setup and saving 72 engineering hours/month across projects.
- **Implemented Lambda automation for stale EBS snapshot cleanup**, configured IAM role-based access, and reduced monthly cloud spend by \$120 (monitored through analytics) while improving backup hygiene.
- **Configured CloudWatch monitoring for EC2 and RDS**, establishing threshold-based alerting and reducing downtime impact by detecting 98% of incidents within SLA.
- **Containerized Java-based applications using Docker**, pushed optimized images to Amazon ECR, and orchestrated rollouts through Kubernetes, reducing release cycle time by 50%.
- **Collaborated with QA to integrate CI automation** for early-stage testing, enabling shift-left strategies and reducing post-deployment defects by 35%.

EDUCATION

Bachelor of Engineering (Electronics and Communication)

Kalasalingam Institute of Technology | 2015 – 2019 | 68%

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, CloudFormation, VPC, IAM, Elastic Load Balancing, Auto Scaling)
- **Automation & Configuration:** Jenkins, Ansible, Terraform, AWS CloudFormation
- **Containerization & Orchestration:** Docker, Kubernetes, ECS
- **Scripting Languages:** Python, Bash
- **Monitoring & Logging:** AWS CloudWatch, Prometheus, Grafana
- **CI/CD Tools:** Jenkins, GitHub Actions
- **Version Control:** Git, GitHub
- **Databases:** Oracle, MySQL, SQL Server
- **Operating Systems:** Linux, Windows

SOFT SKILLS

- **Process Ownership:** Delivered full CI/CD pipelines independently, reducing manual steps by 60%.
- **Analytical Thinking:** Identified and removed unused EBS snapshots, reducing AWS storage costs by 18%.
- **Communication:** Worked cross-functionally with Dev, QA, and Business teams for release planning and reporting.
- **Adaptability:** Transitioned from Linux-focused scripts to multi-cloud automation workflows within 3 months.
- **Proactive Learning:** Self-taught Kubernetes and ArgoCD, applying them to real-time client projects successfully.

AWARDS AND APPRECIATIONS

Speaker in Women Empowerment Sessions: Actively participated in and spoke at multiple sessions aimed at empowering women in tech Industry.