

Alice Blanche Ekane

Senior AWS Infrastructure Engineer

Rockville, MD,20855 | (301) 768-3274 | aliceekane04@gmail.com | [LinkedIn](#) | [GitHub](#)

Summary

AWS Infrastructure Engineer with 6+ years of experience managing and optimizing cloud environments across healthcare systems, large-scale enterprise platforms, and global managed service operations. Skilled in cloud provisioning, infrastructure automation, and system administration within mission-critical, compliance-driven environments. Proficient in EC2, VPC, S3, IAM, Lambda, CloudWatch, CloudTrail, and CI/CD pipelines, with strong expertise in Terraform, containerization, and infrastructure hardening. Known for improving uptime, reducing cloud costs, and enhancing operational efficiency through scalable architectures, proactive monitoring, and automated workflows across complex multi-account AWS environments.

Skills

- Cloud Platforms: AWS (EC2, VPC, S3, IAM, CloudWatch, CloudTrail, Lambda, Config, GuardDuty, Security Hub, CloudFront, ALB/NLB, RDS/Aurora, Systems Manager, AWS Backup)
- Infrastructure & Systems: Infrastructure Provisioning, Server Administration, Linux, Windows, Active Directory, Group Policies, Endpoint Management, Patching, Backup & Recovery
- IaC & Automation: Terraform, CloudFormation, Bash, PowerShell, Automation Workflows
- DevOps & CI/CD: Jenkins, GitHub, GitLab, Git, CI/CD Pipelines, Docker, Kubernetes
- Security & Compliance: SIEM Monitoring, Vulnerability Management, Threat Detection, Log Analysis, Access Management, Identity Hardening
- Networking: TCP/IP, DNS, DHCP, NAT, Subnets, Routing, VPN, Load Balancing, Firewall Configurations
- Monitoring & Optimization: CloudWatch Metrics/Logs, CloudTrail, AWS Config, Log Insights, Resource Optimization, Cost Management
- IT Operations: Incident Response, Troubleshooting, Root-Cause Analysis (RCA), Change & Incident Management, ServiceNow, Jira, SLAs/OLAs
- Language: English and French

Professional Experience

Senior AWS Infrastructure Engineer, CVS Health
TX

Mar 2024 - Present |

- Architected production AWS environments using EC2 and VPC while integrating CloudWatch Metrics/Logs, improving visibility and reducing incident response time by 6 hours per week saved.
- Engineered secure object storage workflows with S3 and implemented AWS Backup, reducing recovery time by 32% and lowering annual storage costs by \$120K across 3 PB of data.
- Automated infrastructure provisioning with Terraform and implemented GitHub workflows, reducing manual deployment errors by 40% and accelerating provisioning by 32% across 50+ environments.
- Orchestrated identity and access governance using IAM and strengthened Security Hub monitoring, decreasing unauthorized access alerts by 50% and avoiding potential remediation costs of \$50K per year.
- Configured hybrid network setups with ALB/NLB and VPN, enhancing application uptime to 99.5% and reducing latency by 13%, supporting 12,000+ daily requests.
- Executed operational excellence initiatives through Endpoint Management, Incident Response, and troubleshooting workflows, reducing average resolution time by 32% and maintaining 99.9% system availability.

AWS Infrastructure Engineer, Dell Technologies
TX

Nov 2021 - Feb 2024 |

- Provisioned cloud infrastructure with Terraform and integrated CI/CD pipelines, cutting deployment time by 15 hours per month and increasing release frequency to 20+ deployments.
- Implemented directory services using Active Directory and Group Policies, reducing configuration errors by 30% and improving login success for 5,000+ users, avoiding approximately \$25K per year in support overhead.
- Monitored cloud and database services with AWS Config and Log Insights, detecting 95% of anomalies proactively and reducing incident escalations by 26%.
- Enforced vulnerability mitigation using Vulnerability Management, decreasing critical risk exposure by 40%, preventing potential downtime costs across 100+ workloads.
- Managed enterprise compute resources using Linux and Windows, improving patch coverage by 41% and reducing system downtime by 18% across 2,500+ servers.
- Configured networking components including Subnets, Routing, and load balancing, improving application availability and reducing latency by 12%, improving SLA adherence and saving around \$30K/year in penalties.

Cloud Operations Engineer, DXC Technology
VA

Aug 2019 - Oct 2021 |

- Supported operational workflows through structured Incident Response, resolving 95% of incidents within SLA and maintaining system at 98.7%, saving around 8 hours per week in manual recovery.
- Resolved infrastructure disruptions via Troubleshooting, reducing escalations by 25% and improving end-user satisfaction for 10+ client accounts, avoiding approximately \$20K/year in support costs.
- Investigated recurring technical patterns using Root-Cause Analysis (RCA), mitigating 37% of repeat incidents and increasing system reliability.
- Monitored security posture with SIEM Monitoring and Log Analysis, detecting 85% of abnormal activities proactively and reducing potential breach costs by \$45K/year.
- Facilitated change workflows using Jira, decreasing failed deployments by 18% and improving update compliance for 50+ components, avoiding unnecessary downtime costs.
- Configured secure connectivity layers via VPN, enhancing remote-access reliability by 23%, supporting 500+ users and reducing connectivity-related support tickets by 40%.

Education

Master of Science in Biochemistry

University of Douala, Douala, Cameroon

August 2000 – July 2002

Bachelor of Science in Engineering

University of Douala, Douala, Cameroon

August 1995 – June 1999

Certifications

- **AWS Certified Cloud Practitioner** **December 2023**
- **AWS Certified Solutions Architect – Associate** **February 2024**