Olusegun Adeyemi

Cloud Architect

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SUMMARY

Cloud architect with 6 years designing AWS infrastructure for retail and healthcare SaaS platforms, specializing in multi-account landing zones and Terraform. Led the migration of a monolith serving 400,000 daily users to a multi-region AWS architecture, cutting infrastructure costs by 32% and raising uptime to 99.97%. Holds AWS Solutions Architect Professional certification.

EXPERIENCE

Cloud Architect — Meridian Health Systems

Denver, CO · May 2022 – Present

- Designed a multi-account AWS landing zone with Control Tower and Terraform for 18 engineering teams, replacing a single shared account with no guardrails.
- Led the migration of a monolithic platform serving 400,000 daily active users from a single data center to a multi-region AWS architecture, cutting infrastructure costs by 32% and raising uptime from 99.5% to 99.97%.
- Designed a HIPAA-compliant data pipeline on AWS using KMS encryption, VPC isolation and audit logging, passing a third-party compliance review with zero critical findings.
- Built a disaster-recovery architecture across 2 AWS regions with automated failover, cutting recovery time objective from 6 hours to 22 minutes.

Senior Cloud Engineer — Brightfield Retail Co.

Denver, CO · Aug 2019 – Apr 2022

- Migrated 40 legacy services from on-premises VMs to AWS ECS and Lambda, reducing server costs by $380,000 a year.
- Wrote Terraform modules adopted by 6 teams to provision VPCs, RDS instances and IAM roles consistently, cutting new-environment setup from 3 days to 2 hours.
- Designed the auto-scaling architecture for a Black Friday traffic spike of 8x normal load, with zero downtime across 3 consecutive peak seasons.

SKILLS

Cloud platforms: AWS (EC2, ECS, Lambda, RDS, S3, VPC), Azure (basic)

Infrastructure as code: Terraform, AWS CloudFormation, CDK

Networking and security: VPC design, IAM, KMS, security groups, AWS Control Tower, Transit Gateway

Operations: CloudWatch, Datadog, Kubernetes (EKS), CI/CD (GitHub Actions, Jenkins)

CERTIFICATIONS

AWS Certified Solutions Architect – Professional, 2023

AWS Certified Security – Specialty, 2021

EDUCATION

B.S. Computer Science, University of Colorado Boulder, 2016

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