**ADEDAMOLA AJIBOLA**

CLOUD ENGINEER

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**SUMMARY**

A certified enthusiastic AWS Cloud engineer that is passionate about cloud computing and technical support with a penchant for learning and designing highly available, fault-tolerant, and secure private/public cloud infrastructures utilizing Amazon Web Services. problem-solving abilities and motivated learner who thrives in both independent and group settings and adapts to changing situations and assignments while also learning and contributing positively to the organizations bottom-line.

**CERTIFICATIONS**

* AWS Solutions Architect Associates Certification (2021)
* AWS Certified Developer Associate

**TECHNICAL SKILLS**

* **Amazon Web Services**: Identity and access management, EC2, S3 storage services,

Databases, DNS using Route 53, Certificate Manager, VPC, ECS, ELB, Autoscaling, CloudFront, CloudWatch, CloudTrail and SNS, SQS, SWF, CloudFormation, Cognito, API Gateway, Lambda and Kinesis.

* **Linux**: Managing users, configuring services, Apache-PHP-MYSQL setup, server configuration, Virtual host setup, network troubleshooting, using SSH to connect to remote hosts and general troubleshooting.
* **Basic SQL**: Database installation, creating and updating tables, writing basic and nested queries and more.
* **Basic Python programming**: Building a basic calculator, Mad Libs Game, Building a Multiple Choice Quiz, functions, lists, loops etc.
* **Platforms**: Linux and MacOS.
* **Infrastructure as Code:** CloudFormation and Terraform
* **Containerisation and CI/CD**: Jenkins, Docker , Github

**CORE COMPETENCIES**

* Defining a solution using architectural design principles based on customer requirements
* Architecting and deploying secure and robust applications using AWS
* Ability to provide implementation guidance and best practices to the organization throughout the life cycle of a project.
* Hands-on skills using compute, networking, storage, and AWS database services
* Defining and identifying technical requirements for AWS-based applications
* Defining and identifying which AWS services meet a given technical requirement
* Knowledge of recommended best practices for building secure and reliable applications on the AWS platform
* Knowledge of network technologies as they relate to AWS
* Knowledge of security features and tools that AWS provides
* Linux and basic SQL administration skills
* Knowledge of the CI/CD pipeline and version control with Github

**HANDS-ON PROJECTS**

**AWS**

* Using AWS Budgets to set custom budgets for tracking costs and usage of resources in an AWS account. Setting up alerts by email when actual or forecasted cost and usage exceed budgeted threshold.
* Using AWS Identity and Access Management (IAM) to manage access to AWS services and resources securely, as well as setting up Multi-Factor Authentication (MFA) for extra protection of the environment.
* Using Amazon’s unlimited simple storage service (S3) to host a static website where individual web pages include static content. Also using this service to store developer codes before hosting them on virtual servers (EC2) for dynamic web apps.
* Used Amazon’s Virtual Private Cloud (Amazon VPC) service to launch AWS resources in a logically isolated virtual network that I designed. Created a public and a private subnet and used the private subnet for databases and web servers to protect the resources from the internet. Elastic Load Balancing was used to automatically distribute incoming application traffic across multiple targets.
* Hosted several web applications (e.g. a PHP-MySQL demo app) on Amazon’s Elastic Compute Cloud (EC2) service to provide secure, resizable compute capacity in the cloud. Also used Amazon’s EC2 Auto Scaling to help maintain application availability and to automatically add or remove EC2 instances according to conditions I defined.
* Bash script to install an LAMP stack on ubuntu
* Used CloudFront, a fast content delivery network (CDN) service to securely deliver my demo application to “customers” globally, thereby enabling low latency and high transfer speeds for the application.
* Used Amazon’s Route 53, a highly available and scalable cloud Domain Name System (DNS) web service to route end users to my demo application using a custom domain name I bought.
* Created an SSL certificate using AWS Certificate Manager, a service that allows easy provisioning, managing, and deploying of public and private SSL/TLS certificates for use with AWS services and internal connected resources. I used this to secure the network communications to my application and to establish the identity of my websites over the Internet i.e. enable HTTPS.
* Used Terraform and cloud formation to create eCommerce website with resources such as VPC with Private and Public Subnets, an Internet Gateway, a Route Table, Security Group, a NAT Gateway, SNS, ALB, ASG, Route 53 and EC2 instances.
* Step-by-step on how to deploy a production-ready WordPress website on AWS.
* Created a Docker file for node.js app and created a ci/cd using Jenkins for the app and then push the app to Docker hub and AWS ECR, use AWS ECS Fargate for the containerized app and push to GitHub.

***WORK EXPERIENCE***

***AWS Cloud Engineer,***

*KYEN TECH SERVICES - REMOTE, Lagos state* ***FASHANU & CO (Law Firm), LAGOS, NIGERIA***

***START DATE - END DATE OCT 2020 – Till date***

**RESPONSIBILITIES**

* Hands-on experience with most layers of AWS offerings EC2, S3, IAM, VPC with public and private subnets, ALB, Auto scaling, Nat Gateway, Certificate Manager, Route 53
* Hands-on of virtualization and container technology like docker creating Docker files and working with containers.
* Continuous Integration (CI), test automation processes using Jenkins.
* Hands-on experience with CloudFormation and Terraform
* Setting up databases in AWS using RDS including MYSQL.

**EDUCATION**

**BACHELOR OF SCIENCE: Political Science (2012-2017)**

*University of Ilorin - Kwara,* Nigeria.