**Adeola Adediran**

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*Dallas, Texas 75219:* **US****Citizen**

#### **SUMMARY**

* Certified AWS Solutions Architect with 8+ years’ experience in designing IT cloud infrastructure. Proficient in designing cost effective, highly scalable and fault tolerant systems on AWS.
* Highly accomplished and solutions-oriented IT Professional with broad based knowledge in Systems Design and Development, implementing and integrating cost-effective, high performance technical solutions and cloud implementations to meet challenging business needs.
* Cognitive about designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services (AWS).
* Proficient in writing CloudFormation Templates (CFT) in YAML and JSON format to build the AWS services with the paradigm of Infrastructure as a Code.
* Highly skilled in deployment, data security and troubleshooting of the applications using AWS services.
* Experienced in implementing Organization DevOps strategy in various operating environments of Linux and windows servers along with cloud strategies of Amazon Web Services.
* Possess high working qualities with good interpersonal skills, high motivation, fast learner, good team player and very proactive in problem solving to provide best solutions.
* Experience in onsite / offshore development model, including remote work.
* Experienced with installation of AWS CLI to control various AWS services through SHELL/BASH scripting.
* Exceptional record for meeting company goals and building positive relationships with professionals.

#### **Certifications**

* AWS Certified Solution Architect – Associate

#### **PROFESSIONAL EXPERIENCE**

#### **NOVARTIS East Hanover, NY**

#### **Contractor – AWS Solution Architect October 2017 - Present**

* Responsible for architecting, and provisioning for AWS resources as IaaC for network, compute and database resources.
* Proficient in AWS services like VPC, EC2, S3, ELB, AutoScalingGroups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
* Experienced in creating CloudFormation stacks to provision for VPC’s, public & private subnets, NAT, RTs as per requirement and distributed them as groups into various availability zones of the VPC.
* Used security groups, network ACL’s, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
* Manage Fortigate and prisma firewall routers as addition traffic delegation into and out of aws vpc
* Manage recovery and failover plan for all environment.
* Setup WAF in font of web applications for security and vulnerabilities
* Migrate application and database to aws using using 6Rs strategy for migrating to aws
* Check health and performance of containers running inside nodes of EKS cluster using elasticsearch cluster.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Created S3 buckets in the AWS environment to store files required to serve static content for a web application.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
* Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service.
* Experienced in creating RDS instances to serve data through servers for responding to requests.
* Created snapshots to take backups of the volumes and images to store launch configurations of the EC2 instances.
* Setup cloud intranet for internal portal for application running in EC2 instance and service running on aws platform
* Configure routing in FortiGate firewall to filter traffic for machines setup for internal users.
* Created hosted zone in Route53 and create routing policies to route traffic for web domain name to applications sitting on the cloud.

#### **MERCK & CO Rogers, AZ**

#### **Consultant – AWS Solution Architect November 2014 – October 2017**

* Created a fault tolerance cluster by implementing Elastic Load Balancer and definitely path base routing policies.
* Developed and implemented software release management strategies for various applications as per agile process.
* With the help of IAM created roles, users and groups and attached policies to provide minimum access to the resources.
* Created topics in SNS to send notifications to subscribers as per the requirement.
* Worked on the databases of the Amazon RDS and carried out functionalities for creating instances as per the requirements.
* Designed Java API to connect the Amazon S3 service to store and retrieve the media files.
* Implemented Amazon RDS multi-AZ for automatic failover and high availability at the database tier.
* Configured AWS CLI and performed necessary actions on the AWS services using shell scripting.
* Implemented CloudTrail in order to capture the events related to API calls made to AWS infrastructure.
* Enabled Continuous Delivery through Deployment into several environments of Test, QA, Stress and Production using Jenkins.
* Created a hosted zone with primary and secondary record set for failover routing policy using Route53.

**LinkedIn Sunnyvale, CA**

**Consultant – AWS Solution Architect June 2012 - November 2014**

* Created CloudFront distributions to serve content from edge locations to users so as to minimize the load on the frontend servers.
* Configured private and public FQDN for Dev,QA,Prod EC2, instances and Load balancers by creating respective records in internal DNS server and using Route53 for public internet hostname.
* Utilized AWS CLI to automate backups of ephemeral data-stores to S3 buckets and EBS.
* Configured and maintained the monitoring and alerting of production and corporate servers/storage using Cloud Watch.
* Installed and configured Nginex with SSL certificate and FQDN in dev, QA and Prod.
* Migrated applications from internal data center to AWS.
* Maintained edge location to cache data with CDN using Cloud Front to deliver data with less latency.
* Scaled distributed in-memory cache environment in the cloud using Elastic cache.
* Managed automated backups and created own backup snapshots when needed.
* Provided installation & maintenance of Puppet infrastructure and developed Puppet manifests & modules for configuration management.
* Created Jenkins programmatic user in AIM with appropriate group assigned policy for Jenkins configuration and CI/CD setup.
* Deployed and configured Git repositories with branching, tagging, and notifications. Experienced and proficient in deploying and administering GitHub.
* Configured Linux environments in both public and private domains.

**Education**

Bachelors of Science in Computer Engineering at of University of Illinois.

#### **TECHNICAL SKILLS PROFILE:**

* **AWS Services:** EC2, S3, ELB, Auto scaling Groups, Glacier, EBS, Elastic Beanstalk, Cloud Formation/Terraform, Cloud Front, RDS, Redshift, VPC, Direct Connect, Route 53, Cloud Watch, Cloud Trail, OpsWorks, IAM, Dynamo DB, SNS, SQS, ElastiCache, RedShift, EMR, Lambda.
* **CI/CD Tools:** Github, Gitbucket, Jenkins, Bamboo, AnthillPro
* **Web Technologies:** HTML5, CSS3, Twitter Bootstrap, Media Queries, XML, JS/JQuery
* **Programming:** JSON, YAML, html, C, C++, Core JAVA, Python, Perl, Ruby, MATLAB, SQL/PLSQL
* **Database Software:** Oracle, MySQL, SQLServer, MongoDB, DynamoDB
* **Servers:** Apache Tomcat, WebLogic, WebSphere, JBoss, Nginx, IIS
* **Methodologies:** Oracle AIM, SDLC, Waterfall, Agile, DevOps
* **Operating Systems:** MS Windows, UNIX/LINUX, Ubuntu.