OLUWATOSIN .T. IDOWU

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**SOLUTIONS ARCHITECT ,CLOUD ENGINEER & DEVOPS ENGINEER**

**AWS Technologies &Process Automation**•**Cloud Infrastructures**•**Project management**

*Expertise in leading the implementation of Operational effectiveness and accomplishing effective technical solutions*

Highly qualified professional with 5 years hands-on experience supporting, automating and optimizing mission-critical deployments in AWS, leveraging configuration management, CI/CD, and DevOps processes. Dedicated to supporting the design and management of cloud-based infrastructures to deliver the required performance, security, and availability through implementing enterprise-level large-scale multi-tier solutions that require complex architectural decisions. Excel in utilizing a combination of systems and application performance monitoring, automation, load-balancing solutions to optimize performance, reduce downtime, and maintain stable, secure, and efficient systems. Management, innovative, expert leadership, and problem-solving abilities to energize, motivate and unite team members around a central cause and consistency to deliver business outcomes that exceed corporate expectations.

**Signature Strengths:**

Consulting & Reporting •Team Leadership/Supervision •System Administration •Operation Management •Technical Support •Server Administration •CI/CD Deployment •Resource Allocation • Cloud Computing •Configuration Management •Software Development •DevOps Engineering •Containerization • Build/Release Pipelines • Infrastructure Provisioning •Quality Assurance• Enterprise Architecture •Agile Methodologies

**Professional Experience**

**AWS Solutions Architect (Full-time) Jan 2019 – Present**

**Layer3cloud**

**Overview:** Recruited to conduct integrated Architecture to design a secured, cost-optimized, highly available and fault-tolerant environment.

* Worked closely with development team to create an automated continuous integration (CI) and continuous delivery (CD) system (with other dependent RDMS engines PostgreSQL, Oracle or MySQL) for robust analysis and graphical reporting.
* Supported achievement of revenue objectives through the adoption and migration of applications, software, and services onto the AWS platform, in partnership with the sales team.
* Developed Python scripts for building deployment pipelines
* Implemented and managed Ansible and Ansible Tower to scale automation and handle complex deployments.
* Lead on designs/development aspects of migration from on-premise to the cloud environment - assess, mobilize and migrate phase including leveraging CART, ADS, Migration Evaluator, DMS, Cloud Endure etc
* Implemented version control services using git to create repository, store, and track changes in source code during software development whilst utilizing tools like github, gitlab and codecommit.
* Educated customers on the value proposition of AWS, and participate in deep architectural discussions to ensure solutions are designed for successful deployment in the cloud.
* Experience in Kubernetes to deploy scale, load balance and manage Docker containers with multiple name spaced versions and good understanding of Open Shift Platform in managing Docker Containers and Kubernetes Clusters
* Configured, managed, monitored, troubleshootingAmazon Linux2, RedHat & CentOS LINUX servers in my environment.
* Developed terraform modules and CloudFormation templates to provision infrastructures in the cloud
* Leveraged different design principles for security in the cloud and implemented various AWS services to improve our security posture for Authentication, Authorization, Monitoring, Auditing, Encryption and Data path security.

**Cloud Engineer (contract) July 2016 – Dec 2018**

**Cloudflex Computing Services**

**Overview:** Designated to design, build, manage and operate cloud infrastructure and configuration environment with a focus on automation and infrastructure as code.

* Using a broad range of AWS services ((VPCs, ELBs, security groups, NAT gateways, auto-scaling, RDS, S3, CloudWatch, EC2, Cloud Formation, AWS CodeComit, AWS CodeBuild and AWS Code Deploy) etc.
* Migrated high availability webservers and databases to AWS EC2 and RDS with minimum or

no downtime.

* Responsible for Installation and configuration of the system wide monitoring tool.
* Configured Elastic IP address for AWS instance, for consistency in case of any server failure
* Implemented Service control policies (SCP) to save cost and secure the environment using detective and protective guardrails.
* Created docker environment with docker hub and managing different docker images and deployment of applications inside container.
* Participated in setting up Jenkins CI/CD pipelines for continuous build & deployment of automated testing and delivery of application.
* Leveraged the use of setting up systems manager for configuration management, provisioning, and application deployment to remote servers.
* Used Terraform and AWS CloudFormation to provision and manage cloud infrastructure services.
* Used AWS IAM to provision authentication and authorization into AWS account and restrict/assign access to users and other AWS services.

**Compliance Analyst Dec 2015 – Jun 2016**

**Cybercloud Platform Limited, Abuja, Nigeria**

**Overview:** Assigned to conduct root cause analysis for addressing control issues and examined the adequacy of internal controls.

* Acknowledged for stellar success in minimizing network attacks and vulnerabilities through implementing a 2-way authentication process.
* Masterminded efforts focused on mitigating risks by determining system and application strengths and weaknesses as well as recommended compensatory controls.
* Acknowledged for expertise in revamping the access management system which resulted in the drastic reduction of unauthorized persons accessing sensitive data within three months.
* Server and storage management, configuration, troubleshooting, and performance tuning.
* Turned around poor performance through tracking and enforcing strict operational adherence with standard security policies and procedures.
* Spearheaded the process of establishing and executing strategic initiatives for internal and risk-based audits, including complex audits on information systems, platforms, and operating procedures.

**Education & Certification**

**Bachelor of Science (BS) in ACCOUNTING**

Crescent University, Nigeria

**Diploma in Accounting and Finance**

Middlesex University, London, UK

**Certified Solution Architect (Associate)**

**Technical Acumen**

o **AWS Security:** AWS Security Hub, AWS Guard Duty, AWS Shield, AWS Firewall Manager, AWS Inspector

o **Monitoring and Event Management:** AWS CloudWatch (Events and Logs), AWS SNS, AWS S3

o **Network:** VPC, VGW, TGW, CGW, IGW, NGW, CDN

o **Data Protection:** AWS Certificate Manager, AWS KMS, Snapshot Lifecycle Manager, AWS Cloud HSM

o **Image and Patch:** AWS SSM Patch Manager, AWS Golden AMI Pipeline

o **Governance and Compliance:** AWS Config Rules, AWS Organization, AWS Control Tower, AWS Trusted Advisor, AWS  Well-Architected Tool, AWS Budgets, AWS License Manager

o **AWS Platform:** AWS CloudFormation, AWS Lambda, AWS Systems Manager, S3, VPC, EC2, ELB, RDS, SNS, SQS, SES,  Route53, CloudFront, Service Catalog, AWS Auto Scaling, Trusted Advisor, CloudWatch

o **Programming Languages:**  JSON, YAML, Python, terraform, kurbernetes.

o **AWS Migration:** Phases (Assess, Mobilize, Migrate and Modernize), Tools (CART, ADS, Migration hub,CloudEndure, DMS)

o **Cloud Orchestration / Automation:** AWS CloudFormation, AWS Lambda, AWS Systems Manager, AWS SSM  Parameter Store, Ansible, Docker, ECS, EKS, Terraform