**ABIOLA FALANA**

**Chicago IL**

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**Summary**

**Enthusiastic AWS cloud Engineer with over 4 years of experience in designing and implementing highly available, highly scalable, fault tolerant and reliable infrastructure in AWS. Eager to contribute to team success through hard work, attention to detail and excellent organizational skills.**

**CERTIFICATION**

* AWS CLOUD PRACTIONER.

**TECHNICAL SKILLS**

* **Cloud Platforms:** AWS
* **Infrastructure as Code Tools:** AWS CloudFormation**,** Terraform
* **Security and Encryption Tools:** AWS Key Management
* **Programming Languages:** C++, Python, JavaScript, C#, Golang.
* **Scripting:** Python, Shell, PowerShell, PHP, Ruby, Bash.
* **Build Tools:** Docker, Gradle, Apache Ant, Apache Kafka, API Development.
* **Operating Systems:** Windows, Linux (Red Hat Enterprise, Ubuntu, CentOS)
* **Source Code & Repositories:** GitLab, GitHub
* **Collaboration:** Slack, Jira, Zoom, Microsoft Teams, Flock
* **Database:** SQL**,** XQuery, SQL/XML
* **CI/CD:** GitLab, Jenkins**,** Bamboo, CircleCI, TeamCity.

**PROFESSIONAL EXPERIENCE**

**AWS Cloud Engineer**

**SaidaTech.**  **07/2019 – Present**

* Design, build, and maintain efficient, reusable, and reliable Ruby code.
* Design and build Ruby on Rails landing page platform.
* Help maintaining code quality, organization, and automatization.
* Identify bottlenecks and bugs and devise solutions to these problems.
* Implemented, architecture and planned AWS cloud solutions that provides availability, scalability, and performance.
* Design, implement, and maintain scalable High-Availability and Fault-tolerant cloud infrastructure.
* Collaborate with stakeholders to understand business needs from the viewpoint of cloud infrastructure.
* Design, develop, and deploy public and private cloud solutions to help mitigate security vulnerabilities.
* Delivered end-to-end infrastructure management solutions with AWS technologies and ensured critical systems are automated, monitored, healthy, and designed to scale.
* Secured access to data and application, maintaining simplicity for users with AWS Multifactor Authentication (MFA).
* Use tools such as S3 bucket, AWS CLI, Identity and Access Management (IAM), PowerShell and Terraform to automate the provisioning and configuration of AWS environments.
* Managed, control and monitor access to valuable resources with AWS Identity Access Management.
* Provisioned infrastructure using cloud formation templates for customized VPC, subnets, EC2 instances, security groups as well as AWS services like Cloud front, cloud watch, RDS, S3, Route53, SQS, SNS, CloudTrail.
* Monitor, diagnose, and provide metrics and repair network health of infrastructure as a Service (IaaS) such as EC2, VPC, EBS with AWS Global Accelerator.
* Design, develop, and deploy public and private cloud solutions to help mitigate security vulnerabilities.
* Managed EC2 and RDS instances, making use of AWS services like LAMBDA function, AWS CloudWatch, IAM polices.
* Enforce organizational standards and assess compliance to evaluate the overall state of the environment through the management of AWS Policy.
* Experienced with scripting technologies (YAML, JSON, PowerShell, Terraform)
* Maximize the availability and performance of applications and services with AWS monitor to deliver a comprehensive solution for collection, analyzing, and acting on telemetry for cloud and on-premises environment.
* Automated AWS cloud using Terraform to create Resource Groups, Web Applications, AWS Storage, S3 bucket, Files and Tables, and Firewall rules.
* Designed and deployed dynamically scalable, available, fault-tolerant, and reliable application infrastructure on the Cloud.
* Configure, manage, and resolve domain names reliably using Route 53.
* Utilize AWS CLI to automate the backups of ephemeral data-stores to EFS, AWS S3, and create AMI for mission-critical production and servers’ backups.
* Designed and analyzed requirements and specifications and developed security and standardized polices.
* Developed documentation and implementation plans to allow support teams to build and manage the internal cloud environment.
* Configure, and troubleshoot Virtual networks in a cross-domain, including Virtual Network Peering, VPN Gateway, and Direct Connect.
* Define application, data and infrastructure delivery strategies, standards, processes, technologies, and tools in the technical visions.
* Led in build out of deployment pipelines and AWS cloud architecture needs across several applications.
* Provisioned infrastructure using terraform for custom Virtual Networks, subnets, Virtual Machine instances, Load balancers, Network security groups.
* Increased level automation using systems manager and other AWS automation tools
* Designed and developed AWS solutions that include high availability, multi-region, and multi-set architectures using traffic manager, application gateway, virtual networks, availability sets, and affinity groups.
* Deliver end-to-end infrastructure management solutions with terraform and AWS technologies, to ensure critical systems are automated, monitored, healthy, and designed to scale.
* Access and propose appropriate Cloud services to develop and deploy an application based on given requirements.
* Deploy enterprise-wide scalable operations on Cloud Platforms along with Implementing cost-control strategies using AWS cost management services.
* Administer security and configure user access using AWS Active Directory.
* **Environment:** AWS (Migration, Storage, AD, Resource Manager, Key Vault, Functions), Python, AWS Storage, Windows, Linux/Unix, Shell scripting.

**AWS Cloud Engineer**

**Pepo Consulting 04/2018- 6/2019**

* Designing and building infrastructure to support customers AWS-based Cloud services and infrastructure.
* Built S3 buckets and managed policies for S3 buckets and used S3 bucket and glacier for storage and backup on AWS.
* Implement a tagging standard for proper identification and ownership of Resources on AWS.
* Securely store and access critical tenant logical group resource secrets with AWS Key Vault.
* Architecting designing and developing highly available, highly scalable and performant systems in AWS.
* Developed infrastructure as code using Terraform.
* Experience with configuration management tools on multiple AWS services
* Knowledge of container technologies, ECS experience and coding in Java, python, and JavaScript.
* Performed automated testing that stimulates a future increased workload on a baseline system.
* Developed new data flows that keeps data up to date.
* Managed infrastructure servers as virtual machines (VM) running in a commercial cloud environment as infrastructure as a service (IaaS).
* Tested various production concepts and provided solutions to finding the best scalable architecture.
* Build and maintain highly available production systems.
* Troubleshoot and resolve issues in the production, test, and development environment.
* Worked with Application Developers to automate builds and software deployments to QA & amp, production.
* Maintained and enhanced the Continuous Integration & amp; Deployment environment.
* Documented current and future configuration processes and policies.
* Used Continuous Integration tools like Jenkins to build and test software deployments to integrate changes.
* Managing production infrastructure using tools like Terraform, CloudFormation, etc. Defined, created, tested, and executed operations procedures.
* Providing direct server support during various operations such as deployment and general production.
* Managed CloudTrail to audit all API calls to the dev, test, and prod environments.
* Troubleshoot and resolve issues in the production, test, and development environment.
* Maintained and patched Infrastructure applications and deployments.
* Streamlined CI/CD process to ensure continuous and fault tolerant integration and deployments.
* Automated solutions using scripting language, e.g., bash, python, PowerShell.
* **Environment:** Python, GitHub, Shell scripting, Linux/Unix, Visual Studio, Shell scripts, AWS.

**Project Coordinator / Electrical Engineer 02/2015 – 02/2018**

**MKD Electric – Elgin, IL**

* Coordinated presentations for customers and project members to detail project scope, progress, and results.
* Supervised multiple projects from project start through delivery by prioritizing needs and delegating assignments.
* Tracked hours and expenses to keep project on task and within budgetary parameters.
* Performed on-site field surveys and wrote technical narratives to document processes and design changes.
* Checked compliance of company safety plan and delivered recommendations to address regulatory issues.
* Oversaw productivity streams for ongoing and special projects.
* Transitioned projects from estimation and pre-construction phase to well-defined project execution plan.
* Scheduled and facilitated meetings between project stakeholders to discuss deliverables, schedules, and conflicts.
* Tracked project and team member performance closely to quickly intervene in mistakes or delays.
* Verified quality of deliverables and conformance to specifications before submitting to clients.
* Connected wires to circuit breakers, transformers, and other components.
* Inspected transformers and circuit breakers for malfunctions.
* Repaired and replaced equipment, electrical wiring, and fixtures.
* Installed, maintained, and repaired electrical wiring, controls, and lighting systems.
* Applied knowledge of trade tools and ability to read and follow blueprints and wiring plans to projects.
* Consistently updated knowledge of safety requirements and policies.
* Planned layout and installation of electrical wiring, equipment and fixtures based on specifications and applicable code.
* Spliced, joined, and connected wire to fixtures and other electrical components.

**EDUCATION**

**Bachelor of Science in Electrical Engineering** Arizona State University

*(May 2022)*

**Associate in Science** Prairie state College, IL

*(May 2019)*

**Associate in Applied Science** Prairie state College, IL

(Industrial Electrician)

*(May 2019)*

**Associate in Applied Science** Prairie state College, IL

(Computer Electronics Technology)

*(May 2019)*

**References**

**Bisi Onueme**

*Supervisor*

*Saidatech*

414-324-1143

**Kolawole Adelekan**

*General Manager*

*Pepo Consultant*

708-769-8262

**John Gerren**

*Chief of Operation*

*MKD Electric*

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