Akeem Kareem

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**Professional Summary**

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| A certified DevOps/AWS Cloud Engineer with over 6 years of practical expertise in developing, implementing, and managing scalable and effective continuous integration/continuous delivery pipelines. Results-driven, meticulous, and competent in using cloud computing and automation tools to optimize software development, deployment, and operations procedures. A demonstrated history of working with cross-functional teams to improve the security, performance, and dependability of the system. A strong analytical skill and IT acumen to support problem resolution for operational issues and identify root causes. A good team player who effectively collaborates and communicates with other team members to achieve the desired results. |

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**PROJECTS**

* Engaged with other team members, created an automation job project that leverage on self-service capability of ansible tower that provides a user-friendly interface for teams to manage their infrastructure needs, promoting agility and reducing dependency on specialized knowledge. The resulting job enables teams to provision virtual machines (VMs) on AWS cloud with specific configurations using Ansible Tower's self-service portal.
* Create CI/CD to Deploy a Dynamic Website. The project involves building a CodeBuild job that automatically applies Terraform script whenever you commit a change to GitHub repository, as well as created a CodeBuild job that automatically builds any Docker image and push it to the Docker artifact repository.
* Established a Jenkins CI/CD pipeline for seamless end-to-end application delivery, integrated Git, Maven, SonarQube, Sonatype-Nexus and Tomcat.
* Deploy a Dynamic Website (eCommerce Website). The project uses AWS reference architecture and deploy a dynamic (LAMP Stack) website using various AWS services such as 3 Tier Network VPC, Nat Gateway, Security Group, MySQL RDS Instance, S3 Bucket, IAM role with S3 policy, Key Pair, EC2 Instance, MySQL Workbench, Application Load Balancer, Route 53, and Auto Scaling Group.

**Education**

**Master’s in computer science - MSCS To be completed, 2026  
Kennesaw State University (KSU**)

**Computer Science Foundation, Advanced Certificate Aug 2023 - May 2024  
College of computing and Software Engineering  
Kennesaw State University**

**Mechanical Engineering – B.ENG** **2007**   
**Federal University of Technology, Akure(FUTA)** **Nigeria**

**Work History**

**Infrastructure Automation Engineer** **October 2020 to Present**  
**BT Telecom**  **Raleigh, NC**

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| * Use Terraform to design and provision infrastructure resources in an automated and scalable way, including networks, storage, virtual machines, and other cloud services. * Utilize Ansible to automate server configuration and management, guaranteeing uniformity throughout the infrastructure. To specify desired server and application settings and states, create Ansible playbooks. * Use GitHub and Git to manage application code repositories and infrastructure-as-code (IaC) repositories. Work together with development teams to automate processes and version control infrastructure setups. * Build, test, and deploy applications and infrastructure updates automatically by utilizing Jenkins to set up and manage continuous integration and delivery (CI/CD) pipelines. To start automated workflows, integrate Jenkins with additional tools and version control systems. * Monitor the functionality and state of infrastructure resources and applications by configuring and overseeing monitoring tools such as Prometheus and CloudWatch. To monitor and troubleshoot problems proactively, use alerts, dashboards, and logging tools. * Apply compliance guidelines and best practices for security to all infrastructure resources. Make use of tools and methods to automate compliance audits, security checks, and vulnerability assessments. * Encourage and compel the organization as a whole to adopt IaC best practices and concepts. Encourage the adoption of automation scripts, templates, and reusable modules to expedite the provisioning and management of infrastructure. * Provide and keep up-to-date documentation for deployment procedures, workflow automation, and infrastructure configurations. Team members can learn from and implement best practices via attending training sessions, presentations, and documentation. * Design and implement custom Ansible modules using Python to address unique automation requirements and integrate with various systems and APIs. * Collaborate with cross-functional teams to gather requirements and translate them into effective automation solutions. |

**Cloud Support Engineer** **January 2018 to December, 2019  
Inalfa Roof Systems** **Acworth, GA**

* Provide clients having problems with AWS services—EC2, S3, RDS, and others—technical support and troubleshooting know-how. Respond quickly and effectively to consumer questions by phone, email, chat, or ticketing systems.
* Prioritize and manage incoming events, service outages, and support requests in accordance with SLAs and severity levels. Send complicated or important issues for resolution to the relevant internal teams or AWS support engineers.
* Using tools like CloudWatch, CloudTrail, and AWS Config, keep an eye on the availability, performance, and health of AWS resources and services. To proactively identify and address possible problems, set up and customize alerts and notifications.
* Help clients configure, provision, and optimize AWS infrastructure resources in accordance with their needs and industry best practices. Provide advice on cost-saving measures, security setups, and architecture design.
* Make and keep up documentation, best practices guide for typical troubleshooting, fixes, and use cases.
* Examine performance indicators and spot areas where AWS services and apps can be made more effective and efficient. Provide recommendations for database optimization, caching, load balancing, and scaling.
* Utilizing AWS technologies like S3 versioning, Glacier, AWS Backup, and AWS Disaster Recovery, develop and deploy backup and disaster recovery plans. To guarantee availability and integrity of data, test and validate backup and recovery protocols.
* Established networking connectivity, by creating VPCs, IP addresses, Subnets, Route tables, Internet gateway, VPC peering, Nat gateway, Transit gateway, VPN connection and Direct connections.

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| * Maintains database by entering new and updated customer and account information. * Prepares source data for computer entry by compiling and sorting information. * Establishes entry priorities. * Processes customer and account source documents by reviewing data for deficiencies. * Resolve deficiencies by using standard procedures or returning incomplete documents to the team leader for resolution. * Enters customer and account data by inputting alphabetic and numeric information on keyboard or optical scanner according to screen format. * Maintains data entry requirements by following data program techniques and procedures. * Verifies entered customer and account data by reviewing, correcting, deleting, or reentering data. * Combines data from both systems when account information is incomplete. * Purges files to eliminate duplication of data. |

**Data Entry Specialist** **January 2017 to December, 2018**  
**The Home Depot** -**Marietta, GA**

**Certifications**

* **AWS Certified Solutions Architect – Associate | September 2021.**
* **AWS Certified Database - Specialty | September 2021.**
* **Microsoft Certified SQL Server Administration 2012/2014 – Associate | November 2018**