**Abbey Dauda**

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Summary

Resourceful Cloud/DevOps Engineer, with over 6 years of experience in evaluating, assessing client requirements and implementing infrastructure to solve identified problems. Harnessing code and cloud-native technologies to create scalable and user-centric systems. Strong negotiation skills with excellent value-driven solutions.

Experience

**Most Recent Title: Cloud Engineer**, 08/2020 - Current

**Most Recent Employer: Enterprise Holdings**

* Hands-On experience in provisioning and automating AWS services like VPC, Internet Gateways, Route Table, Security Groups, EC2, NACL, ELB, ASG, S3, RDS, Transit Gateway, VPC Peering, CloudTrail, Route53 using Terraform.
* Implemented and maintained a highly available, highly scalable and fault tolerant multi-tier AWS environment using Terraform.
* Achieved cost optimization through implementation of Reserve instances, Spot instances Savings Plans with over 35% reduction in EC2 cost and substantial reduction in server response time during Peak hours.
* Implemented Data Lifecycle Management, Automation of storage, backup, and retention policy for S3 leading to over 30% reduction in storage cost.
* Configured NACL, Security Groups and WAF to secure application and VPC network depending on access parameters provided and conditions.
* Designing for high availability and business continuity using self-healing-based architectures, fail-over routing policies, multi-AZ deployment of EC2 instances, ELB health checks, Autoscaling and other disaster recovery strategies.
* Increased infrastructure efficiency by over 30% through development and implementation of infrastructure as code templates and modules and use metrics to monitor application and infrastructure performance.
* Partner with infrastructure teams on evaluation and feasibility assessments of new systems and technologies.
* Participate in the system development life cycle from requirements analysis through system implementation.
* Hands-on experience using Containerized technologies like Kubernetes, Docker in implementing a fully automated CICD framework for Agile projects.
* Hands-on experience using Ansible for configuration management and ArgoCD for application deployment.

**Cloud Solutions Engineer**, 05/2018 - 08/2020

**American Communications Solutions**

* Proficient in using security services such as Security-Hub, GuardDuty, WAF, AWS Shield for threat detection, mitigation, and resolution.
* Improved product architecture to maintain application downtime rate below 0.01%
* Developed and executed disaster recovery strategy based on company's RPO & RTO
* Automated provisioning of AWS components like EC2 instances, security groups, RDS, IAM using AWS CloudFormation & Terraform
* Configured network architecture on AWS with VPC, Subnets, Internet Gateway, NAT, Route Table, VPC Peering, Transit Gateway, ELB
* Created and implemented service control policies (SCP) for securing a multi-account environment.
* Performed S3 bucket creation, access policy configuration, and data archiving to Glacier through Lifecycle Policy configuration.
* Analyzed application and system logs using CloudWatch, CloudTrail
* Designed, developed, and implemented high availability, backup, and recovery strategy for applications and databases.
* Improve uptime by 20% through implementation of robust monitoring and logging solutions using Prometheus and Grafana.
* Monitored and optimized the performance of cloud infrastructure using AWS CloudWatch, proactively identifying, and resolving issues with a remarkable 50% reduction in downtime.
* Utilized Ansible and Ansible Tower as configuration management tools to automate repetitive tasks, deploy applications quickly, and manage changes proactively.
* Assisted the DevOps team in automating the design, implementation and monitoring CICD pipeline.

**Cloud Business Analyst**, 05/2017 - 05/2018

**American Communications Solutions**

* Facilitated Business Requirement meetings and Joint Application Design (JAD) sessions to create comprehensive Business Requirement Documents (BRD), Functional Requirements (FRD), UI Requirements, and Business Rules.
* Collaborated with cross-functional teams to define cloud migration strategies and objectives.
* Conducted in-depth analysis of on-premises infrastructure and applications to assess cloud readiness.
* Developed detailed migration plans, including cost estimates, timelines, and risk assessment.
* Implemented migration tools and methodologies, ensuring minimal disruptions to ongoing operations.
* Monitored post-migration performance, identified areas of improvement, and optimized cloud resources for cost-efficiency.
* Provided regular reports to stakeholders, highlighting the achieved benefits.
* Conducted feasibility studies and cost-benefit analysis for cloud projects.
* Collaborated with IT teams to ensure seamless integration of cloud solutions with existing systems.
* Worked on the documentation of cloud architecture and best practices.
* Supported the development of cloud governance policies and compliance standards.
* Developed mock-ups/wireframes, use cases, system requirements specification documents, user guides, and other functional documents to support reviews and software release deliveries.
* Managed backlog, roadmap and priorities and engaged product and business teams to move towards a common vision.
* Identified, tracked, monitored, and communicated project-related issues, scope changes, variances and contingencies that may arise during the implementation of projects.
* Identified acceptance criteria and assisted in testing as needed and ensured that deliverables meet functional, design specifications and requirements.

Education

**Highest Level: Bachelor of Science**: Economics

**School: Obafemi Awolowo University** - Ile-Ife, Nigeria.

**Start Date**: May2002 - **End Date**: November 2007

Highlights

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| * Database Migration Service, Schema Conversion Tool, Application Migration Service, Auto Scaling Groups, Load Balancers, EC2, EFS, EBS, S3, IAM, VPC, RDS, Cloud Watch, Cloud Trail, DynamoDB, Lambda, Route53, Elastic cache, AWS Config, CloudFormation, Terraform, Docker, Kubernetes * Jenkins, Ansible, Git/Gitlab, UML, BPML, Visio, ArgoCD, Linux | * Application and Server Monitoring * Business Continuity/Disaster Recovery * Configuration management * JIRA/Confluence * CICD, * Requirements Analysis/Solution Implementation * System Architecture Design/improvement |

Certifications

* AWS Solutions Architect Associate
* Certified Scrum Master CSM
* Google IT Support