ROBINSON UZOR

DevOps/Cloud Engineer

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SUMMARY

- Highly skilled **Cloud** and **DevOps Engineer** with **5** years of Experience in **Automation**, and **Cloud** technologies to enhance system reliability and performance with strong knowledge in cloud infrastructure and open-source tools like **Terraform**, **Docker**, **Kubernetes**, **EKS**, **AWS code pipeline**, **AWS code build, Jenkins.**
- Leveraged **AWS services** (**EC2, S3, RDS, VPC, IAM**) to architect, deploy and manage scalable cloud environments.
- Optimized cloud resources for cost-effectiveness and high availability, utilizing **auto-scaling** and **load balancing**.
- Established robust **IAM policies**, **security groups**, and encryption mechanisms to ensure the security of cloud environments. Adhered to industry standards and best practices for data protection and security.
- Automated infrastructure provisioning and configuration using **Terraform** and Infrastructure as Code principles.
- Applied **Helm Charts** for streamlined application deployment and version control.
- Designed and maintained end-to-end **CI/CD pipelines** using **AWS CodePipeline**, **CodeBuild**, and **Jenkins** to facilitate swift and reliable software releases through continuous integration and deployment practices.
- Containerized applications using **Docker** to ensure consistency across different environments and orchestrated containerized applications using **Kubernetes** and **Argo CD** for automated deployment and management.
- Leveraged **Terraform** and Infrastructure as Code principles to automate the provisioning and configuration of cloud resources. Developed **Python** and **Bash scripts** to automate operational tasks, enhancing efficiency and productivity.
- Set up and configured comprehensive monitoring and alerting solutions using tools like **ELK Stack**, **Prometheus**, **Grafana**, and **CloudWatch** to proactively monitor system health and respond to incidents swiftly, aiming to reduce **Mean Time to Resolution** (MTTR).
- Drove reductions in **Mean Time to Resolution** (MTTR) through effective incident management and proactive system improvements.
- Fostered cross-functional collaboration with development, operations, and other teams to integrate applications into cloud infrastructure seamlessly.
- Monitored end-to-end infrastructure across multiple accounts and automated scaling and failover processes using CloudWatch and SNS.
- Designed, configured, and managed **Continuous Integration (CI)** and **Continuous Deployment** (CD) pipelines using **GitLab** for automated testing, building, and deployment of applications across various environments in the cloud.
- Led the migration of on-premises systems to cloud platforms, ensuring scalability, reliability, and cost-efficiency. Implemented strategies for routine maintenance, monitoring, and system improvements to enhance overall performance and reliability.

SKILLS

Cloud Platforms: AWS, Azure,
AWS Services: EC2 Linux, RDS, S3, CloudFront, VPC, SNS, Elastic Load Balancer, AWS Auto Scaling, CloudWatch, CloudTrail, EBS, Lambda, DynamoDB, Elastic File System (EFS), Security Groups, IAM, Route 53, Certificate Manager, Nat Gateway, Systems Manager, AWS Config
CI/CD: Jenkins, GitHub Actions & GitLab
Containerization: Docker, Kubernetes, Argo CD, Helm
Programming Languages & Scripting: Python, Bash Scripting, Automation of Operational Tasks
Infrastructure as Code & Tools: Ansible, Jira, Git, Containers, Data Dog, Confluence, Docker, Terraform
Monitoring & Logging: Grafana, New Relic, ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, CloudWatch
Security: IAM Policies, RBAC, TCP/IP Fundamentals, Security Groups, TLS/SSL
Platforms & Methodologies: MacOS, Linux (Kali, Ubuntu, Centos), Unix, Windows, Agile, Scrum, waterfall.

EDUCATION

University of Benin

Bachelor of Science in Chemistry

EXPERIENCE

DevOps/Cloud Engineer | **March 2022 – Present**

McKinsey & Company, TX, USA

Responsibilities:

- Designed and implemented end-to-end CI/CD pipelines utilizing the AWS CI/CD suite, including AWS CodePipeline and AWS CodeBuild. This enabled fully automated builds, testing, and deployments, reducing deployment time and increasing overall release frequency.
- Possess working knowledge of AWS services such as EC2, RDS, IAM, S3, ASG, ELB, and Route 53.
- Supported developers in the implementation of new applications, enhancements, and bug-fix releases.
- Monitored and optimized cloud infrastructure performance, resulting in a 50% reduction in downtime and a 20% increase in system performance.
- Improved system uptime by 25% through sophisticated monitoring with AWS CloudWatch and CloudTrail services.
- Developed and maintained cluster tools such as Jenkins and Kubernetes Dashboard using Terraform and Helm.
- Created and maintained fully automated CI/CD pipelines in GitLab for code deployment.
- Designed a full three-tier application using Terraform on AWS.
- Automated environment deployment for different stages, including Dev, QA, and Prod.
- Deployed Ansible playbooks to automatically install packages from a repository and modify machine configurations.
- Transferred high-availability web servers and databases to AWS EC2 and RDS with minimal downtime.
- Led incident response and post-mortem analysis to identify root causes and prevent the recurrence of critical incidents, reducing mean time to resolution (MTTR).
- Gained experience with Docker, EKS, Kubernetes, and Terraform, working with Jenkins pipelines to drive application builds to the Docker registry and then deploy to Kubernetes.
- Leveraged Infrastructure as Code (IaC) principles with Terraform to provision and manage cloud resources, ensuring consistency and scalability across multiple environments.
- Utilized logging and tracking within GitLab to audit pipeline executions, changes, and deployments.
- Led a cross-functional team of five engineers to build and maintain fully automated CI/CD pipelines, reducing deployment time by 60%.
- Collaborated with IT and cloud stakeholders to provide technical support, including incident triage, root cause analysis, and resolution.

Cloud Engineer | **November 2020 – March 2022**

Dominion System Inc, TX, USA

Responsibilities:

- Designed and implemented scalable and highly available cloud architectures, leveraging AWS services such as EC2, S3, RDS, and VPC.
- Utilized Infrastructure as Code (IaC) principles with Terraform to provision and manage cloud resources, ensuring consistency, scalability, and version control.
- Enhanced system reliability by 28% through the design and implementation of AWS cloud security measures, including IAM roles and policies.
- Leveraged CI/CD pipeline solutions to automate the configuration and deployment of infrastructure using CloudFormation, CodePipeline, and maintained Git repositories.
- Reduced client server provisioning time by 80% by designing and implementing Terraform-based Infrastructure as Code solutions.
- Collaborated with cross-functional teams, including developers and operations, to ensure the seamless integration of applications into the cloud infrastructure.
- Created high availability and fault tolerance by utilizing EC2 Auto Scaling and Elastic Load Balancing across multiple Availability Zones (AZs).
- Developed and deployed a cloud-based application using AWS, resulting in a 25% increase in application performance and a 20% reduction in operational costs.
- Implemented automation for cloud deployments and infrastructure provisioning using tools like Terraform, CloudFormation, and Ansible.
- Developed a multi-tier architecture strategy on AWS that improved system scalability and availability by 67%.
- Designed and implemented CloudFormation templates to automate the creation of AWS stacks, improving team efficiency by 30%.
- Configured and managed cloud networking components, including Virtual Private Clouds (VPCs), subnets, gateways, and route tables.