

# Esosa Ekhator

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## SUMMARY

With more than 7 years of experience encompassing Cloud Engineering, DevOps, and Site Reliability Engineering, I have developed a strong skill set in creating resilient cloud infrastructures and managing builds and releases across various environments. Proficient in Agile/Scrum/DevOps methodologies, I specialize in large-scale cloud deployments on platforms such as GCP, AWS, and Azure showing my leadership in automating infrastructure provisioning and designing customized architectures ensures optimal performance and scalability. I am adept at troubleshooting and orchestrating CI/CD pipelines

## SKILLS

**Cloud Services** : AWS (S3, EC2, Route 53, CloudFront, RDS, CloudWatch, SNS, VPC), Azure (VM, Blob Storage, Traffic Manager, Azure Monitor), GCP

**Scripting & Programming:** Python, Bash, Shell, PowerShell, JSON, JavaScript

**IaC:** Terraform, CloudFormation, Azure Resource Manager

**Configuration Management:** Ansible

**Monitoring Tools:** Prometheus, Grafana, Splunk, **Forward Networks**

**Networking:** TCP/IP, VLAN, VNet, **Itential**

**Version Control & Collaboration Tools:** Git, Jira

**Methodologies:** Agile, SDLC

**Operating Systems:** Linux, Windows

**Cost Optimization:** Apptio, FinOut, AWS Cost Explorer, Azure Cost Mangement

**Soft Skills:** Project Mangement, Risk Mangement, Team Building, Team Leader

## WORK EXPERIENCE

### Lumen

Monroe, LA

DevOps/Automation Engineer

Jan 2024 - Present

- Worked collaboratively with various functional and technical teams to successfully deliver **Agile-based** projects in hybrid environments.
- Automated resource deployment and testing using Infrastructure as Code (**Terraform** and **CloudFormation**) through CI/CD pipelines. Adhered to **DevOps** and **DevSecOps** principles to ensure rapid and accurate code development, testing, and release in AWS/Azure environments.
- Integrated security tools, including static code analysis, **dynamic application security testing (DAST)**, and container security scanning, into CI/CD pipelines to proactively identify and remediate security issues.
- Utilized **Itential Automation Platform** to automate network configurations, leading to a 30% increase in operational efficiency.
- Collaborated with Stakeholders to facilitate the transition from monolithic applications to **microservices**, deploying microservices applications to **Docker** registry and **Kubernetes** utilizing Jenkins pipelines
- Partnered with development teams to architect cloud applications, optimizing Apache, Nginx, and WordPress configurations. Achieved a 20% performance increase, showcasing effective communication and teamwork skills.
- Conducted regular security assessments and implemented best practices to ensure **compliance** with industry standards and protect against vulnerabilities.
- Regularly analyzed cloud infrastructure costs and usage through tools like AWS Cost Explorer, Azure Cost Management, Apptio, and FinOut. Providing **cost optimization** recommendations resulting in decreased infrastructure expenses
- Implemented highly efficient Kubernetes clusters across **GCP**, **Azure**, and **AWS** platforms, enhancing **scalability** and substantially lowering infrastructure expenditures. Leveraged **GKE**, **AKS**, and **EKS** for orchestration.

- Created automation workflows and JSTs within Itential Automation Studio. Additionally, developed and utilized a custom adapter to seamlessly integrate third-party services.
- Implemented **robust monitoring** solutions using tools like Prometheus, Grafana, and New Relic to proactively detect and mitigate issues, resulting in a 20% reduction in downtime.
- Automated the deployment, monitoring, and scaling of Azure infrastructure by leveraging **Azure DevOps**, **PowerShell**, and Azure CLI. This resulted in enhanced reliability and minimized manual intervention.
- Created and maintained Python scripts for infrastructure management and monitoring.
- Utilized **Python** libraries such as boto3 and azure-mgmt to interact with AWS and Azure services.
- Created and maintained **Bash scripts** for automated server configuration and application deployment.
- Managed **YAML** files for Ansible playbooks to automate IT infrastructure tasks.

## RSGV

Houston, TX

Senior Cloud Engineer/Solution Architect

Nov 2018 - Dec 2023

- Configured and maintained identity and access management (**IAM**) **policies** to ensure secure and seamless access to Azure and AWS resources.
- Collaborated with developers, architects, system administrators, and stakeholders to architect and ensure a smooth and efficient **SDLC**
- Designed infrastructures for **high availability** and **business continuity** using **self-healing** architectures, fail-over routing policies, **multi-AZ deployment** of instances, ELB health checks, **Auto Scaling**, and other **disaster recovery** models effectively.
- Developed automated recovery processes and runbooks for common failure scenarios, reducing mean time to recovery (MTTR) and improving overall system resilience.
- Collaborated with development teams to design and implement scalable, **fault-tolerant architectures** for critical services, minimizing single points of failure and improving system reliability.
- Led the design and implementation of **migration strategies**, covering assessment, mobilization, and migration phases. Utilizing tools such as CART, ADS, Migration Evaluator, DMS, CloudEndure, and others.
- Implemented and Enforced **cloud security best practices** including access key rotation, multi-factor authentication, role-based permissions, strong password policies, configuration of security groups and NACLs, as well as S3 bucket and Blob storage policies to ensure robust security measures.

## RSGV

Houston, TX

Cloud Engineer

Feb 2017 - Nov 2018

- Effectively provisioned and administered GCP and AWS Virtual Private Clouds (VPC), Virtual Networks (VNet), configured TCP/IP, VLANs, and proficiently managed network infrastructure.
- Implemented **disaster recovery** and failover mechanisms to mitigate the impact of infrastructure failures and ensure business continuity in the event of outages.
- Set up **Azure Blob Storage** and **S3 buckets** to efficiently store and organize unstructured data types.
- Implemented **VPC peering** with other accounts to facilitate access and routing for services and users across separate accounts, ensuring seamless communication.
- Leveraged Git for version control and Jira for issue tracking, fostering collaboration and coordination across development, operations, and allied teams.
- Implemented and tailored **Azure Monitor** and **CloudWatch** to collect, analyze, and present telemetry data from Azure and AWS resources and applications.
- Created and managed scripts and utilities to streamline GCP resource management, resulting in a 25% reduction in manual tasks and a 20% improvement in resource utilization.

## GSK

London, UK

Network Engineer

Apr 2016 - Feb 2017

- Maintained network performance at an optimal level to ensure consistent and sustained efficiency.
- Participated in the evaluation and selection of networking hardware and software solutions, conducting proof-of-concept testing and performance benchmarking to ensure suitability and reliability.

- Improved network performance and reliability by replacing outdated routers with advanced equipment, leading to a 40% reduction in downtime.
- Designed, implemented, and maintained complex network infrastructures, including LAN, WAN, and WLAN solutions, to meet business requirements and ensure high availability.
- Conducted routine updates on data servers and network equipment.
- Configured and optimized network devices such as routers, switches, firewalls, and load balancers from vendors like Cisco, Juniper, and Palo Alto Networks to support efficient data flow and secure communication.

## EDUCATION

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**Ambrose Alli University**

**Ekpoma, Nigeria**

*BSc Computer Science*

## CERTIFICATION

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Microsoft Certified: Azure Administrator Associate (AZ-104), CompTIA Network+