ILIYA VICTOR SIMON
AWS Cloud & DevOps Engineer

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PROFESSIONAL SUMMARY

I am an AWS Cloud and DevOps Engineer with about a year of experience in designing, implementing, and managing scalable, secure, and resilient cloud solutions. Skilled in Infrastructure as Code (IaC), serverless architecture, containerization, and CI/CD pipelines. Passionate about leveraging AWS cloud technologies to deliver modern, cost-effective, and high-performing solutions.

TECHNICAL SKILLS

- **Cloud and Infrastructure:** AWS (EC2, S3, Lambda, DynamoDB, RDS, ALB, VPC), IaC (Terraform, AWS CDK, CloudFormation), CI/CD (GitHub Actions, Jenkins, AWS CodePipeline), Linux.
- **Programming and Scripting**: Python, TypeScript, Bash.
- **Containerization and Orchestration**: Docker, Kubernetes, EKS, ECR, ECS, fargate.
- **Version Control:** Git, GitHub
- **Monitoring and Security:** AWS CloudWatch, AWS Config, IAM, Eventbridge

CERTIFICATIONS

- AWS Certified Developer – Associate (Credential).
- AWS Certified Solutions Architect – Associate (Credential).

EXPERIENCE

Information Systems Intern | Transcorp Hilton, Abuja
Abuja, Nigeria

May 2023 – September 2023
Networking, Cisco

- **Collaborated** with team members to upgrade Wi-Fi access points from Wi-Fi 4 to Wi-Fi 6 resulting to a significant increase in internet speeds as well as its range.
- **Facilitated** the configurations of upgraded routers and access points, ensuring seamless integration into the existing network.
- **Troubleshot** problems with systems and devices and rectified the problems according.

DevOps Engineer Intern | HNG Tech
Abuja, Nigeria

Jan 2025 – March 2025
DevOps

- **Designed** and implemented a Kubernetes-based deployment system for backend services, ensuring dynamic code execution, testing, and deployment within isolated environments by leveraging Kubernetes namespaces, API gateway, and CI/CD pipelines.
- **Deployed** a self-hosted GitLab server with FastAPI-driven orchestration and database-backed state management.

TECHNICAL PROJECTS

Deployment of Network Traffic Classifier web-app to AWS using Terraform and CI/CD

- Developed and deployed a network traffic classification web application using **HTML, CSS, JavaScript**, and **Flask**, then containerized it with Docker.
- Provisioned and managed infrastructure using **Terraform** to set up the VPC, Application Load Balancer (ALB), ECS clusters, and VPC endpoints, ensuring a scalable and secure deployment architecture to deploy the web-app.
- Automated **CI/CD** pipelines using **GitHub Actions** to build, test, and push Docker images to **Amazon ECR**, ensuring consistent and reliable deployment of the latest application versions.

EDUCATION

Afe Babalola University, Ado-Ekiti – *Bachelor of Engineering in Computer Engineering (**First Class Honors**).*