

# Mr Joshua Okorie *DevOps / DevSecOps Engineer | AWS |*

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📍 Lagos, Nigeria

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🗣 <https://medium.com/@contactjoshforthis>

🇳🇬 Nigerian

🔗 <https://github.com/hackwithjoshua>

🔗 <https://hackwithjoshua.github.io>

## Education

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2022/05 – 2023/08

### MSc Computer Science

Cite Vie Nouvelle,  
Republic of Benin

*Espam Formation University*

With a CGPA of 4.6/5, I am proficient in advanced computer science fields such as artificial intelligence, software engineering, databases, and machine learning through research-driven projects and practical experience with novel development tools and practices, and a completed and well researched thesis titled "Information and Communications technology (ICT) and customer satisfaction of deposit money banks: A study of selected quoted banks in Nigeria.

Thesis Publication URL: <https://doi.org/10.5281/zenodo.15527054> 📄

## Professional Experience

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2024/09 – present  
lagos, Nigeria

### Information Technology Specialist

*SIRSTEVEHQ*

At SirSteveHQ 📍, a full-service web hosting provider specializing in all-around web hosting, domain registration, dedicated servers, and offshore solutions, I serve as the lead Information Technology Specialist with a strong foundation in DevOps engineering. My core responsibilities include:

1. Technical Leadership & Advisory: I provide end-to-end technical guidance for the company's infrastructure, helping shape strategic decisions around hosting architecture, security, automation, and scalability.
2. DevOps & Infrastructure Automation: I design and maintain CI/CD pipelines, infrastructure-as-code solutions, and automated deployment environments for our hosting platforms, ensuring high availability and seamless service delivery.
3. Product Development & Launches: I played a key role in the successful launch of our Offshore Hosting Package, designed to meet the needs of clients seeking privacy-focused and censorship-resistant hosting solutions.
4. Control Panel Innovation: I contributed to the deployment of StackCP, our new, modern control panel that integrates Cloud CDN capabilities. StackCP allows users to block or unblock specific countries, offering advanced control over web traffic routing, content delivery, and geographic filtering.

2023/02 – 2024/10  
London,  
United Kingdom

### DevSecOps Engineer

*Gladefinance Techstars*

DevSecOps Engineer at Gladefinance - Remote

1. Migrated all Linux server Infrastructure from DigitalOcean to AWS with the AWS Migration Service tool (MGN). This was instrumental to business and software development and it increased the ability to scale faster by 30%.
2. Implemented a fault-tolerant, robust AWS VPC architecture that ascertained overall system security.
3. I was instrumental in reducing the AWS bills from \$8,000 to \$2000 and still kept a robust AWS infrastructure that suit business and development needs.
4. I Implemented and maintained the continuous Integration, delivery, robust-security and

- deployment within AWS infrastructure with GitlabCI which increased the team's ability to release software faster by 30%.
- 5. Continuous monitoring and security analysis with SIEM tools like ELK and WAZUH, logging and observability with Loki and Grafana.
- 6. I Integrated strict security testing in software CI/CD flow. deployment cannot progress to the next stage without passing necessary security vulnerability checks.
- 7. I Ensured continuous availability of services to customers by checking key System and CPU metrics.
- 8. I Provided IAM roles and policies to engineers and services on AWS cloud to ascertain least privilege.

2023/01 – 2023/06  
Lagos, Nigeria

### **DevOps Engineer**

*Turog Technologies*

DevOps Engineer at Turog - Hybrid

- 1. At Turog technologies, we build products for companies. Our project as at then was Adiba bank.
- 2. I was instrumental in creating the underlying infrastructure ranging from Kubernetes, down to CI/CD. Based on cost, we choosed Google ecosystem to run our project.
- 3. I set up GKE engine, Cloud build, cloud function, Cloud DNS as well as Google workspace to make productivity better.
- 4. I was responsible for setting up strict CI/CD pipelines with DevSecOps approach. Application will not deploy without passing vulnerabilities check.
- 5. Adiba is a core banking application, security is paramount, every of our core services communicating with external providers are secured through site to site VPN. This increased security by 30%

2020/10 – 2022/09  
Lagos, Nigeria

### **DevOps Engineer**

*KeyGroup*

DevOps Engineer at KeyGroup - Hybrid

- 1. Designed and implemented scalable APIs using Python Django, serving as the backbone for retrieving extensive data.
- 2. Designed and implemented solutions for monitoring, scaling and performance improvement of AWS cloud infrastructure.  
Quickly troubleshoot and resolve network, software, and performance issues.
- 3. I Implemented test-driven development (TDD) approach, reducing code defects by 25%.
- 3. Contributed to the adoption of Infrastructure as Code (IAC) tools like Terraform for provisioning AWS resources.  
Created CI/CD flow of the entire software development process with Github and Jenkins.

2019/07 – 2019/12  
Lagos, Nigeria

### **Docker Administrator**

*KeyGroup*

Docker Administrator at KeyGroup - On-site

- 1. Nginx for proxying and varnish for caching.  
New Relic, Librato, Datadog and opbeats for observability and monitoring.
- 2. I Utilised Amazon Web services for scalable infrastructure and storage solutions.
- 3. I Provided technical support and training to end-users, ensuring smooth system implementation.
- 4. Proactive performance management to ensure the site is always speedy.

2018/03 – 2019/01  
Lagos, Nigeria

## Junior IP Engineer (Internship)

Cognizant

Junior IP Engineer Intern at Cognizant - Onsite

1. Configurations of EIGRP-based solutions.  
Installing, configuring and troubleshooting routers like Cisco ASR, ISR series, 2800, 3800.
2. Configuration of Multi-Area OSPF network and OSPF routing.
3. Designing Layer3 path control solution.

## Skills

<b>Programming</b> PHP, Python, JavaScript	● ● ● ● ●	<b>Framework</b> Laravel, Django	● ● ● ● ●
<b>Cloud</b> AWS, GCLOUD, AZURE, DIGITAL OCEAN	● ● ● ● ●	<b>CI/CD</b> Gitlab CI, GitHub Actions, Jenkins, Argo CD	● ● ● ● ●
<b>IAC</b> Ansible, Terraform, Pulumi	● ● ● ● ●	<b>Container</b> Kubernetes, Docker, Openshift	● ● ● ● ●
<b>SIEM</b> WAZUH, ELK	● ● ● ● ●	<b>Standards</b> ISO-27001, PCI DSS, ISO-8583	● ● ● ● ●
<b>Linux</b> RedHat, Ubuntu	● ● ● ● ●	<b>Problem Solving Skills</b>	● ● ● ● ●
<b>Leadership Skills</b>	● ● ● ● ●	<b>Statistical modeling</b> statistical modeling, machine learning, and environmental data analysis.	● ● ● ● ●

## Certificates

- AWS Certified Solutions Architect
- Certified Ethical Hacker (CEH)
- ISC2 Certified in Cybersecurity
- Microsoft Certified Azure Developer

## Projects

2025 – 2025	<b>Remote Attestation &amp; Secure Deployment Stack: Building Trustworthy Infrastructure with AWS Nitro Enclaves</b>
2025/04 – 2025/06	<b>A Comparative Study of Model Training Time and Cost on AWS, Azure, and GCP using DevOps Automation</b>
2024/10 – present	<b>Off-shore Hosting, StackCP, Private cloud provisioning on SirSteveHQ</b> Provisioned StackCP and Offshore-Hosting on SirSteveHQ <a href="#">🔗</a> , a hosting solution tailored for full ghost mode and enhanced privacy.
2023/03 – 2023/03	<b>Gladefinance - Migrated All Infrastructure from DigitalOcean to AWS</b> I was instrumental in migrating All Linux servers on DigitalOcean to AWS to suit business and Infrastructure needs. This was really challenging but it increased productivity by 50%.  <b>Gladefinance - Implemented SIEM across all 43 servers @Gladefinance.</b> WAZUH SIEM was installed across all servers with ansible configuration management. This was paramount for security and a proactive approach from me.

2023/01 – 2023/07

## **Turog Technologies - Adiba Bank infrastructure building**

I was instrumental during the Adiba bank project in building its core banking infrastructure from start. This included Cloud platform selection, kubernetes Engine, CI/CD tool and lot more.

## **Organizations**

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### **AWS Community Builders Program**

As an AWS Community Builder in the Security niche, I create and share blog content on Medium [↗](#) focused on deploying secure, scalable applications on AWS using best practices and native AWS services.

## **References**

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Available on demand

## **Publications**

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2025/05/05

### **Remote Attestation & Secure Deployment Stack: Building Trustworthy Infrastructure with AWS Nitro Enclaves**

*FigShare*

This project investigates and applies a secure deployment and execution model using AWS Nitro Enclaves, IAM, GitLab CI/CD, and automated integrity checks. It solves the requirement for zero-trust, tamper-proof infrastructure by separating critical tasks and using remote attestation to enforce runtime verification.

Publication URL: <https://doi.org/10.6084/m9.figshare.29314538> [↗](#)

2025/04/10

### **A Comparative Study of Model Training Time and Cost on AWS, Azure, and GCP using DevOps Automation**

*OSF.IO*

*This study compares the costs and duration of model training for three of the top cloud service providers: Google Cloud Platform (GCP), Microsoft Azure, and Amazon Web Services (AWS). I deployed and trained identical ML models on each platform using a consistent DevOps pipeline driven by Terraform, Docker, and GitLab CI/CD. For CPU and GPU-based environments, the study assessed compute performance, training time, resource provisioning time, and billing efficiency.*

Publication URL: <https://doi.org/10.17605/OSF.IO/59V8S> [↗](#)

2023/09/27

### **Information and Communications technology (ICT) and customer satisfaction of deposit money banks: A study of selected quoted banks in Nigeria**

*Zenodo*

This master's thesis investigates the impact of Information and Communication Technology (ICT) on customer satisfaction in Nigerian deposit money banks. The research focuses on five leading banks, which are: GTBank, Zenith Bank, First Bank, UBA, and Access Bank. This thesis investigates the impact of Automated Teller Machines (ATMs) and Wide Area Network (WAN) utilization on customer satisfaction. Literature review, data collection, and system design are employed to investigate these relationships in this research. Key findings indicate a statistically insignificant but positive relationship between customer satisfaction and ATM usage, while WAN usage shows a statistically significant positive relationship, indicating its fundamental importance towards enhancing customer experience.

View the publication on Zenodo here [↗](#)

Thesis Publication URL: <https://doi.org/10.5281/zenodo.15527054> [↗](#)