SAMUEL ANIEKEME JACOB

(+234) 906-414-0027 | mercysam299@gmail.com | [Blog](#) | [GitHub](#) | [LinkedIn](#)

Highly skilled and results-driven Cloud Engineer with over 3 years of experience in infrastructure automation, container management, and CI/CD pipelines. Proven ability to design, deploy, and optimize scalable cloud systems while improving operational efficiency. Passionate about leveraging innovative technologies to deliver impactful solutions in cloud infrastructure.

TECHNICAL SKILLS

Cloud & Containerization: AWS, Azure, Cpanel, Docker, Kubernetes
Programming Languages: Python, Bash, JavaScript
Databases: DynamoDB, MongoDB, MySQL, PostgreSQL
CI/CD Tools: Terraform, CloudFormation, Ansible, AWS CodePipeline, CircleCI, GitHub Actions
Version Control: GitHub, GitLab, Bitbucket
Monitoring & Logging: CloudWatch, Prometheus, Grafana
Frameworks: Django, Node.js
Operating Systems: Linux, Windows

HANDS-ON PROJECTS

1. **Containerized and Orchestrated a Machine Learning Microservice in Kubernetes**
   Tools: AWS EKS, Docker, AWS CodeBuild, AWS ECR, PostgreSQL, CloudWatch.
   - Deployed a fully containerized ML microservice using AWS EKS, reducing downtime and simplifying deployment.
   - Automated builds with AWS CodeBuild integrated with GitHub.
   - Monitored logs and performance with AWS CloudWatch.
2. **Static Website Deployment with AWS S3 and CloudFront**
   Tools: AWS S3, IAM, AWS CloudFront.
   - Deployed a secure and optimized static website.
   - Integrated AWS CloudFront for enhanced content delivery and security.
3. **Hosted Containerized Applications on GCP Virtual Machines**
   Tools: GCP VM Instances, Docker, Virtual Private Cloud (VPC).
   - Built secure, scalable infrastructure to host containerized applications.
4. **Deployed and Monitored Web Applications via CI/CD Pipelines**
   Tools: Kubernetes, Docker, Terraform, Cloud Watch, Ansible.
   - Designed a CI/CD pipeline and monitored performance using Cloud Watch.

CERTIFICATIONS & EDUCATION

- **Nanodegree in Cloud DevOps Engineering**
- **DevOps and Site Reliability Engineering** - The Linux Foundation
- **Diploma in Cloud Engineering | AltSchool Africa | 2022 - 2023**
- **B.Sc. Pure and Industrial Chemistry | University of Nigeria, Nsukka**

PROFESSIONAL EXPERIENCE

IronRim | DevOps Engineer   *January 2025 – Present*

- Architected and optimized AWS cloud infrastructure, ensuring high availability, scalability, and cost efficiency for mission-critical applications.
- Automated infrastructure as code (IaC) with Terraform, enabling seamless provisioning, versioning, and management of cloud resources.
- Optimized containerized deployments using Docker, AWS ECS, and Kubernetes (EKS), reducing application boot times and increasing resource efficiency.Managed AWS Secrets Manager for secure, centralized storage of application credentials, enhancing security and compliance.
- Enforced security best practices with IAM policies, VPC security controls, and automated compliance checks.
- Built and maintained CI/CD pipelines using GitHub Actions, reducing deployment time by 70% and minimizing manual intervention.
- Managed AWS Secrets Manager for secure, centralized storage of application credentials, enhancing security and compliance.

Mbag Microfinance Bank | DevOps Engineer   *August 2024 - December 2024*

- Managed domain configurations and DNS settings in cPanel, streamlining website hosting and email management.
- Automated the CI/CD pipeline for API services using GitHub Actions, reducing manual deployment errors by 50%..
- Implemented monitoring using Prometheus and Grafana, achieving 99.9% uptime for critical services.
- Streamlined secrets management using Github Secrets, improving application security posture.
- Implemented SSL/TLS security for Nginx with Let's Encrypt and Certbot, ensuring encrypted communications and compliance with security standards.

Volomn, Nigeria | DevOps Intern   *November 2023 - April 2024*

- Automated repetitive tasks with Bash scripts and cron jobs.
- Provisioned and managed development, staging, and production environments.

AltSchool Africa, Nigeria | DevOps Volunteer   *April 2023 - December 2023*

- Designed and implemented a DevOps pipeline for an open-source project, improving deployment efficiency by 40%.
- Streamlined infrastructure provisioning using Terraform and Ansible.
- Collaborated with global developers to maintain an open-source DevOps tool.