

Donald Eke

DevOps Engineer | Site Reliability Engineer

eke.donalds@rocketmail.com | www.linkedin.com/in/donald-eke-154a60159 | [GitHub](#)

PROFESSIONAL SUMMARY

Goal-oriented, dynamic professional with years of experience in building and maintaining highly available systems. Proven track-record in driving cost optimization and operational efficiency through secure application deployments, continuous integration, scalable infrastructure provisioning and deep knowledge of cloud services in AWS. Excellent analytical, innovation and communication skills, fostering collaboration and promoting a modern DevOps culture with a dedication to meet and exceed objectives.

AREAS OF EXPERTISE

TECHNICAL SKILLS

- **Container Orchestration:** Kubernetes
- **Infrastructure as Code:** Terraform
- **Containerization:** Docker
- **Cloud Computing:** AWS, Vagrant
- **System Administration:** Linux
- **Programming:** Golang (Go)
- **Configuration Management:** Ansible
- **CICD Tools:** GitHub Actions, Jenkins, Gitlab
- **Continuous Delivery:** ArgoCD, GitOps
- **Monitoring:** Grafana, Prometheus, Loki
- **Shell Scripting:** Bash
- **Version Control System:** Git & GitHub

PROFESSIONAL EXPERIENCE

Lead DevOps Engineer

Telex

Sept 2024 - Present

- Led a 6-person team in the migration of legacy backend and frontend applications to a microservices architecture using Docker. This migration resulted in a 30% reduction in infrastructure costs and a 50% improvement in application scalability, while enhancing deployment consistency across environments.
- Built CI/CD pipelines using GitHub Actions, reducing deployment time by 40% and increasing release frequency of software from monthly to weekly for the Telex app while enabling rapid iterations and seamless rollbacks in the deployment pipelines.
- Deployed a comprehensive monitoring, observability and logging solution (Prometheus, Grafana, Promtail & Loki) to enhance troubleshooting capabilities, reducing mean time to detect (MTTD) issues by 60% and improving system uptime from 87.5% to 99.5%.
- Implemented DORA metrics, decreasing Mean Time to Recovery (MTTR) by 30% and reducing Change Failure Rate from 15% to 5%, enhancing Telex's deployment efficiency.
- Optimized Docker resource allocation for the product, achieving a 25% reduction in resource consumption costs while maintaining application performance, as confirmed by positive customer feedback regarding responsiveness and efficiency.
- Configured a Kubernetes Cluster to serve as a Self-Hosted GitHub Actions Runner improving CI/CD efficiency by 15% for cross-platform development.

DevOps Engineer

Hotels.ng

Jun 2024 - Aug 2024

- Collaborated with the development team to containerize a full-stack web application using Docker, leveraging modern technology to reduce infrastructure costs by 33%. Designed and configured Proxy Manager with Traefik for unified port access and SSL termination, enhancing security and simplifying network management.
- User management and secure password handling automation with Bash scripts reducing onboarding and administrative tasks by 50%.
- Orchestrated cloud deployment on AWS EC2 while ensuring secure HTTPS access and comprehensive documentation for both manual and Docker-based deployments.
- Developed Ansible playbooks for automated deployment, cutting new environment setup time from 2 days to 2 hours and ensuring 100% consistency across 30 servers.

DevOps Engineer (Freelance)

Ginavis Ltd

Apr 2023 - Mar 2024

- Designed high-availability AWS infrastructure (VPC, Auto Scaling Groups, EC2, ELB, RDS Multi-AZ, S3, IAM, ElastiCache, CloudWatch, CloudFront, EFS, Route 53) for dual website deployment across 2 regions. Implemented robust networking, disaster recovery solutions and storage optimizations, leading to 99.99% uptime and a 30% cost reduction through strategic infrastructure enhancements.
- Deployed a secure infrastructure management solution using Ansible with Bastion Host architecture, resulting in reduced server provisioning time by 70% and enhanced security across 28 servers in private subnets. This approach ensured robust access controls and streamlined management processes while maintaining compliance with security best practices.
- Managed and developed an automated CI/CD pipeline for a 15-node Amazon EKS cluster using Terraform and Jenkins. Integrated GitHub webhooks for automatic triggers, leading to a 75% reduction in deployment time and streamlining Git flow across 5 distinct stages.
- Launched a comprehensive observability stack in a Kubernetes cluster using Prometheus, Grafana, and Loki, installed with Helm charts for streamlined management. This implementation improved mean time to resolution (MTTR) by 60%.

CERTIFICATION

- HashiCorp Certified Terraform Associate - Hands-On-Labs
- Certified Kubernetes Administrator - Udemy
- Linux System Administration - Udemy
- BSc (Hons) Electrical & Electronics Engineering

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EDUCATION

University of Lagos

BSc (Hons) Electrical/Electronics Engineering