

# DURRELL GEMUH ABWOENGMO

## AWS & GCP DevOps Engineer

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### PROFESSIONAL SUMMARY

DevOps Engineer with extensive experience designing, building, and operating secure, scalable cloud infrastructure. Specialized in AWS and GCP, Infrastructure as Code (Terraform), CI/CD automation, and cloud security best practices. Proven track record of optimizing deployment pipelines, improving system reliability, and supporting high-availability production workloads. Actively hands-on with modern DevOps tooling and practices, with a strong problem-solving mindset and deep Linux expertise. Passionate about continuous learning and knowledge sharing, I also lead DevOps Playground, a community-driven initiative where I mentor aspiring DevOps, Cloud, and Linux Engineers through hands-on, practical training.

### SKILLS

- Cloud Platforms: AWS (ECS, EKS, IAM, ALB, CloudWatch, Systems Manager, RDS), Google Cloud Platform (Compute Engine, GKE, VPC Networking, Cloud SQL (MySQL), Cloud Storage, IAM, Load Balancing, Cloud Monitoring & Logging)
- DevOps & CI/CD: Jenkins, GitHub Actions, ArgoCD, GitOps, ArgoCD, Azure DevOps Pipelines
- Infrastructure as Code & Automation: Terraform, Terragrunt, Ansible
- Containers & Orchestration: Docker, Kubernetes, Helm
- Monitoring, Logging & Reliability: Datadog, Prometheus, Grafana, New Relic, Alerting & Incident Response
- Security & DevSecOps: Hashicorp vault, Dependency-Track Tool, Sonarqube, IAM & RBAC, AWS Security Hub and Trusted Advisor, Parameter Store.
- Operating Systems & Scripting: Linux (Ubuntu, CentOS), Windows Server, Bash, YAML, Python (automation & scripting)
- Version Control & Collaboration: Bitbucket, GitHub, GitLab, Jira, Confluence, GitHub Projects

### EXPERIENCES

#### DevOps / Cloud Engineer

Private Client | USA

December 2024 – Present

- CI/CD & Automation: Implemented automated dependency analysis in repositories using Jenkins integrated with Dependency-Track, ensuring proactive vulnerability detection and compliance checks.
- Kubernetes Deployment & Management: Managed multiple Kubernetes environments using ArgoCD, handling deployments, troubleshooting, debugging, and continuous improvement of cluster operations.
- Cloud Pipeline & Monitoring Integration: Leveraged Azure DevOps Pipelines to deploy Terraform scripts provisioning AWS infrastructure, Datadog monitors, APM services, and observability agents on VMs and Kubernetes clusters.
- Secrets & Credential Management: Utilized HashiCorp Vault with Kubernetes to securely store secrets across namespaces, as well as other sensitive credentials, enforcing strict access policies.
- Security & Compliance: Resolved and remediated issues flagged by AWS Security Hub and AWS Trusted Advisor, ensuring infrastructure adheres to best practices in security, reliability, and cost optimization.
- Infrastructure Monitoring & Observability: Deployed CloudWatch agents and Datadog integrations to monitor VMs, containers, and cloud services, enabling proactive alerting and incident response.

## DevOps Instructor & Mentor

April 2025 – Present

DataSciencTest - France

- Technical Instruction & Masterclasses: Lead live sessions and masterclasses covering GitOps tools, Prometheus & Grafana, Docker, Kubernetes, GitLab, and security practices, taking students from beginner to advanced DevOps concepts.
- Hands-On Project Facilitation: Guide students through real-world DevOps projects, providing mentorship on infrastructure design, CI/CD pipelines, container orchestration, and monitoring solutions.
- Mentorship & Support: Provide one-on-one guidance, troubleshooting support, and career advice to help students gain confidence and achieve learning objectives.
- Evaluation & Feedback: Assess student progress through project reviews, hands-on exercises, and constructive feedback to ensure mastery of DevOps workflows and cloud technologies.

## Founder & Lead Instructor

October 2024 – Present

NextGen Playground | Cameroon

- Founded and currently lead DevOps engineer at NextGen Playground, an innovative tech education and community-building initiative focused on upskilling aspiring DevOps Engineers, Cloud Engineers, and Linux Administrators through real-world training, mentorship, and career support.
- Developed and currently expanding a full DevOps curriculum covering Linux, Git, GitHub, GitOps, CI/CD, IaC, Containers, Kubernetes, Cloud (AWS/GCP), and Monitoring.
- Lead weekly live masterclasses with practical hands-on labs using Jenkins, GitHub Actions, ArgoCD, Ansible, and more.
- Created a simulated internship program allowing learners to work on real-world projects and receive structured feedback.
- Manage a global team of volunteers in content, design, social media, branding, and operations to scale the initiative.
- Built and actively grow an online community across Discord, Telegram, and LinkedIn to foster peer learning and support.

Currently developing formal academy structure including documentation, e-learning, swags, internship pipelines, digital certificates, and career support services.

## Senior DevOps Engineer (Freelance)

May 2023 – April 2025

BlueWindow Ltd | Msida, Malta

- Lead DevOps Engineer: Managed the DevOps team, designing and implementing solutions that significantly improved productivity and operational efficiency.
- Cloud Migration & Optimization: Led the migration of 3,000+ websites to AWS and GCP, achieving a 70% reduction in infrastructure costs and a 95% improvement in scalability and reliability.
- CI/CD Pipeline Enhancement: Spearheaded the development and optimization of CI/CD pipelines, cutting deployment times by 95% and accelerating time-to-market for new features.
- Scalable Cloud Architecture: Designed and deployed scalable cloud infrastructures capable of handling peak traffic loads while maintaining high performance.
- Monitoring & Security Integrations: Implemented comprehensive monitoring solutions with Cloudflare, leveraging analytics and security features to reduce incidents by 25% and improve system reliability.
- Cost Efficiency Strategies: Developed and executed cloud cost optimization measures, reducing operational expenses by 30% while maintaining high availability and performance standards.

## DevOps Engineer | Freelance

LILLUP | San Francisco

February 2024 – November 2024

- Project Coordination & Team Leadership: Led a cross-functional team of developers, testers, and infrastructure engineers, defining project scope, setting milestones, and ensuring on-time delivery of critical DevOps initiatives.
- AWS IAM & Security Management: Managed AWS IAM users, roles, and policies, enforcing role-based access control and adhering to security best practices and company compliance standards.
- Cloudflare Deployment & Security: Deployed and managed the company website using Cloudflare serverless architecture, enhancing scalability, security, and operational efficiency. Integrated DDoS protection, SSL/TLS encryption, and WAF, reducing security incidents by 40%.
- CI/CD Pipeline Development: Built and maintained CI/CD pipelines using Jenkins and Terraform, streamlining deployment processes, improving reliability, and automating infrastructure provisioning.

## AWS DevOps Engineer

Data Service Group Inc | Bear, Delaware

November 2021 – June 2023

- CI/CD Process Improvement: Revamped build and deployment workflows using Jenkins and Maven, eliminating 85% of manual tasks and significantly improving deployment efficiency.
- Infrastructure Reliability: Collaborated with leadership to enhance network and cloud infrastructure, achieving 99.9% uptime.
- Cost Optimization: Reviewed and optimized AWS accounts and environments, reducing quarterly infrastructure costs by 63%.
- Internal Tool Development: Built an internal tool enabling 170+ developers to deploy VMs in 60 seconds versus the previous 16+ minutes, enhancing productivity and operational agility.

## Site Reliability Engineer

Data Service Group Inc | Bear, Delaware

October 2019 – November 2021

- Kubernetes Health & Reliability: Implemented a health check system for Kubernetes clusters, reducing mean time to repair from 15 days to 11 hours.
- Cluster Automation: Engineered tools using Terraform to automate Kubernetes cluster creation, cutting setup time from 2 hours to 20 minutes and integrating the process into the CI/CD pipeline.
- Monitoring & Observability: Designed and deployed Grafana dashboards to monitor cluster health, resource utilization, and performance metrics, enabling engineers to troubleshoot infrastructure issues efficiently.

## KEY INITIATIVES & COMMUNITY

- DevOps Playground Academy: Creating a formal online DevOps learning hub with structured curriculum, digital certificates, and a volunteer-powered operations model.
- Community Engagement: Host webinars, Q&As, and demo sessions with active learner participation.
- Branding & Media: Led design of swags, logos, document templates, and consistent branding across all platforms.

## CERTIFICATIONS

- AWS Cloud Practitioner
- Award Certificate, 3rd Edition STEM PRIZE 2019 Competition
- AWS RE/START

## EDUCATION

Bachelors in Computer Engineering | University of Buea