

EMMANUEL AWOLU

Junior DevOps & Cloud Infrastructure Engineer

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PROFILE

DevOps and cloud infrastructure engineer with a background in frontend development and a strong drive toward automation, security, and scalable systems. Experienced in designing and deploying cloud environments on AWS and Azure, building CI/CD pipelines with GitHub Actions, and managing containerized workloads with Docker and Kubernetes. Comfortable with the full DevOps toolchain — from writing Terraform modules to configuring GitOps workflows with ArgoCD. Actively seeking a junior DevOps or cloud engineering role where I can contribute real value from day one.

EXPERIENCE

Cloud Security & Infrastructure Consultant - Contract

2026 Jan

- Designed and documented a secure cloud architecture for a SaaS platform on Microsoft Azure and AKS, implementing network segmentation across multiple VNets.
- Implemented edge security controls via Cloudflare — WAF, DDoS protection, TLS enforcement, and rate-limiting — positioning Cloudflare as the mandatory ingress layer.
- Architected secure connectivity between AKS microservices, back-office systems, and on-premise infrastructure through a centralized security VNet with firewall inspection and VPN.
- Automated infrastructure and security configuration using Terraform, enforcing reproducible deployments, origin restrictions, and secure networking policies across environments.

PROJECTS

Automated AWS Infrastructure & Container Deployment Pipeline | github.com/Emmanuel-Awolu60/soft_landing

- Built an end-to-end DevOps pipeline using Terraform, Docker, AWS EC2, and GitHub Actions — automating infrastructure provisioning and application deployment on every code push.
- Containerized a web application with Docker for consistent build-ship-run workflows across dev and prod environments.
- Configured remote Terraform state management via AWS S3 for collaboration-safe deployments; implemented a manual terraform destroy workflow using workflow_dispatch for lifecycle control.
- Migrated from self-hosted to GitHub-hosted runners after load-testing both approaches, improving pipeline reliability.

Fully Automated GitOps Deployment Pipeline | github.com/Emmanuel-Awolu60/time-printer

- Designed and implemented an end-to-end pipeline integrating GitHub Actions, Docker, Terraform, Kubernetes, Helm, and ArgoCD.
- Achieved zero-touch deployments — code commits trigger automated builds, container pushes, and Kubernetes rollouts without manual intervention.
- Applied GitOps principles using ArgoCD to maintain desired cluster state declaratively, enabling auditable and reversible deployments.

TECHNICAL SKILLS

CI/CD & GitOps: GitHub Actions, ArgoCD

Containers & Orchestration: Docker, Kubernetes, Helm

Infrastructure as Code: Terraform

Cloud Platforms: AWS (EC2, S3, IAM), Microsoft Azure, AKS

Security & Networking: Cloudflare (WAF, DDoS, TLS), VNet segmentation, VPN, firewall rules

Scripting & OS: Python, Bash / CLI, Linux

Version Control: Git, GitHub

Prior — Frontend: HTML, CSS, JavaScript (React)

EDUCATION
