

ALEX C. GODWIN

Senior DevOps & Cloud Engineer | AWS · Kubernetes/EKS · Terraform · CI/CD · GitOps · SRE

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PROFESSIONAL SUMMARY

Senior DevOps & Cloud Engineer with 6+ years operating and owning production cloud platforms end to end across AWS and Kubernetes/EKS, backed by reusable, version-controlled Terraform infrastructure as code. Proven track record improving reliability, availability, and scalability of production systems (99.0% → 99.9% uptime; 56% MTTR reduction) through observability (Prometheus, Grafana, Loki, CloudWatch), incident response, and GitOps-driven CI/CD (Jenkins, GitHub Actions, GitLab CI, Argo CD). Strong AWS networking fundamentals (VPC, IAM, routing, DNS, TLS, load balancing) and Python/Bash/PowerShell automation. Currently leads an 8-person DevOps team and owns multi-account (16-account) AWS production operations across internal and client environments.

CORE SKILLS

Cloud Platforms: AWS (EC2, EKS, ECR, VPC, IAM, S3, RDS, EBS, ELB) — production, multi-account, multi-region; Azure infrastructure (compute, virtual networking, storage, identity); working knowledge of AKS/GKE

Infrastructure as Code: Terraform, Terragrunt, CloudFormation — reusable modules, remote state, version-controlled, peer-reviewed

Containers & Orchestration: Kubernetes/EKS in production, Docker, Helm, Kustomize, ingress, autoscaling (HPA), health probes, NetworkPolicy

CI/CD & GitOps: Jenkins, GitHub Actions, GitLab CI/CD, Argo CD, automated releases, rollback-ready deployments, GitOps promotion

Observability & Incident Response: Prometheus, Grafana, Loki, Alloy, Alertmanager, CloudWatch — metrics, logging, alerting, RCA, MTTR reduction, on-call

Networking: IP addressing, routing, DNS, TLS/certificates, load balancing, VPC design, connectivity troubleshooting

Security: Secrets & access management, least-privilege IAM, dependency/image scanning, network controls, DevSecOps practices

Automation & Scripting: Python, Bash, PowerShell, Ansible, YAML, Jinja2

Reliability Engineering: Capacity planning, high availability, backup/restore/recovery, resilience checks, performance analysis

Leadership & Collaboration: Technical leadership, mentoring, design/code review, asynchronous distributed collaboration, written communication

PROFESSIONAL EXPERIENCE

Cloud & DevOps Engineer | PPE TechSolutions — *Kitchener–Waterloo, ON*

2024 – Present

- Lead an 8-person DevOps team, setting technical direction, conducting design and code reviews, and establishing shared operational standards.
- Own AWS production platforms across 16 AWS accounts and 100+ EC2/EKS instances spanning internal and client environments, managing reliability, scalability, security, upgrades, and day-to-day service operations across multiple regions.
- Design reusable Terraform, Terragrunt, and CloudFormation modules, maintaining version-controlled, peer-reviewed infrastructure as code and repeatable environment provisioning.
- Operate and scale Kubernetes/EKS workloads in production, managing deployments, ingress, health probes, autoscaling, persistent storage, and high-availability traffic.
- **Own and improve CI/CD and continuous deployment** workflows using GitHub Actions, Jenkins, GitLab CI/CD, and Argo CD, integrating pipeline-driven Terraform provisioning and automated GitOps promotion — eliminating ~80% of manual provisioning steps while maintaining rollback-ready releases.
- **Implemented full-stack observability** (Prometheus, Grafana, Loki/Alloy, Alertmanager, CloudWatch), reducing mean time to resolution (MTTR) by ~56% (90 → 40 minutes) and improving production availability from ~99.0% to 99.9%.

- Automate Linux and cloud operations with Ansible, Python, Bash, and PowerShell, reducing repetitive administration and standardizing configuration across environments.
- Strengthen platform security through secrets management, least-privilege IAM, dependency/image scanning, and network controls.
- Troubleshoot networking and infrastructure issues involving IP addressing, routing, DNS, TLS/certificates, load balancing, and connectivity.
- Own escalations and incident response through resolution while collaborating asynchronously across application, security, and infrastructure teams.

Cloud Engineer | Godson Construction Limited — Remote

2023 – 2024

- Designed and supported AWS and Azure infrastructure covering compute, virtual networking, routing, load balancing, storage, identity, and security controls.
- Built reusable Terraform configurations and standardized IaC workflows, reducing configuration drift and accelerating repeatable environment provisioning.
- **Automated deployment workflows and infrastructure provisioning**, reducing deployment cycles from 2 days to 5 hours.
- **Applied cloud cost-optimization practices** across compute and storage, delivering a 25% reduction in cloud spend through resource rightsizing and storage optimization.
- Supported cloud migration and modernization initiatives by validating dependencies, environment readiness, cutover procedures, and recovery paths ahead of production changes.
- Administered Linux-based cloud systems and containerized workloads, troubleshooting connectivity, permissions, services, DNS, certificates, and infrastructure dependencies.
- Improved deployment consistency using Docker, Kubernetes, and automated release practices while collaborating with application teams on infrastructure requirements.
- Implemented monitoring and operational checks, analyzing resource health and capacity to improve infrastructure efficiency, scalability, and stability.
- Applied identity/access management and network security controls across cloud environments; produced architecture notes, runbooks, and handover documentation.

Linux Systems Administrator | Union Bank Nigeria — Nigeria

2019 – 2023

- Administered Linux and Windows server environments supporting business applications, including provisioning, patching, service configuration, and access management.
- Monitored availability, CPU, memory, storage, and service health; responded to incidents and escalations affecting application availability and infrastructure performance.
- Managed users, groups, permissions, SSH access, and system security controls under controlled change and access procedures.
- Supported backup, restore, and recovery activities and routine resilience/disaster-recovery checks for critical systems and application data.
- Automated repetitive administration with Bash/Python and command-line tooling, improving consistency across routine support and maintenance tasks.
- Troubleshot DNS, routing, ports, certificates, and connectivity issues in coordination with application, database, network, and security teams.

SELECTED PROJECTS

- **AWS Infrastructure Automation with Terraform** — Provisioned and validated AWS infrastructure (Terraform, EKS, ECR, VPC/IAM, EBS persistent storage) with version-controlled, environment-lifecycle-managed IaC; resolved EBS CSI / EKS Pod Identity integration issues and decommissioned the environment post-validation to control cost.
- **Kubernetes Container Platform** — Built a multi-service EKS platform (frontend, API, auth, worker, PostgreSQL, Redis) with ingress, readiness/liveness probes, HPA, resource controls, NetworkPolicy, and Kustomize environment separation; validated end to end with non-root, production-style security controls.
- **CI/CD Pipeline Automation with Jenkins** — Built a Jenkins CI workflow producing four immutable container images published to Amazon ECR, promoted through dev/staging/production-style states via Argo CD sync, prune, and self-heal with a deliberate approval boundary.

- **Linux Infrastructure Automation with Ansible** — Built repeatable Linux configuration using Ansible roles, inventory, group_vars, Jinja2, handlers, and SSH hardening across two Ubuntu nodes; verified idempotency (changed=0) and confirmed HTTP 200 on both endpoints.
- **Monitoring & Observability with Prometheus and Grafana** — Implemented Prometheus, Grafana, Alertmanager, Loki, and Alloy with GitOps-managed dashboards and persistent state; validated 6 API targets, 6 Grafana panels, and 15 Loki streams, and resolved a stateful Grafana PVC/credential issue.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Certificate in Cloud Computing & DevOps (CPD-accredited) — 2025

Skill focus: AWS, Azure, GCP, Kubernetes, Terraform, CI/CD, GitOps, Linux automation, monitoring and observability

EDUCATION

B.Sc. Computer Science — Computer Engineering Science, Imo State University, 2023

Entrepreneurship Certificate