

Mark Leager

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DevOps Engineer | Cloud Infrastructure | CI/CD Automation | Self-Taught Technologist

Self-taught DevOps engineer with hands-on experience building, deploying, and automating cloud infrastructure using AWS, Terraform, Kubernetes, Docker, and GitHub Actions.

Background as a regional manager in a highly regulated industry, with proven leadership, cross-team collaboration, and operations oversight.

Certified in Kubernetes, Terraform, and AWS, with a deep commitment to automation, observability, and infrastructure-as-code.

Certifications

Certified Kubernetes Administrator (CKA)
AWS Certified Cloud Practitioner
HashiCorp Terraform Associate
Linux Administration (self-paced coursework)

Technical Skills

Cloud & Infra: AWS (EKS, ECS, Lambda, RDS, S3, CloudFront, IAM, CloudWatch)

Infrastructure as Code: Terraform, AWS CloudFormation (basic)

Containers: Docker, Kubernetes, Amazon ECS and EKS, Helm

CI/CD & Automation: GitHub Actions, AWS CodePipeline, Bash, Makefiles

Monitoring: Prometheus, Grafana, AWS CloudWatch

Security: Hashicorp Vault, IAM, Parameter Store

Programming/Scripting: Go, Javascript (Vite, Next), Bash, Python, SQL

DevOps Practices: GitHub Environments, SSO, Secrets Management, ALB/NLB, Route53

Other: Git, GitHub, Gitflow, Ephemeral Bastion Hosts, Role-Based Access (IAM)

Tools & Platforms (Exposure in Local/Personal Environments)

ArgoCD – GitOps-style deployment for Kubernetes

Ansible – Basic configuration management and playbooks

Helm – Installed and deployed charts in Kubernetes clusters

Istio – Basic service mesh routing and sidecar injection

Jenkins – Set up basic pipelines and runners for CI/CD

HashiCorp Vault – Managed secrets for local services and dev clusters

DevOps Projects

Infrastructure Deployment with Terraform

- Deployed multi-environment AWS infrastructure using modular Terraform templates.
- Managed provisioning of EKS clusters, ECS services, RDS (Aurora), S3 buckets, Route53 records, and CloudFront distributions.
- Enabled custom domain routing with ALBs + HTTPS certificates, and S3-based frontend hosting.

GitHub Actions CI/CD Automation

Created reusable GitHub workflows to:

- Plan/apply/destroy Terraform infrastructure
- Sync frontend code to S3 and invalidate CloudFront caches
- Set up long-lived and short-lived branches, environments, and rulesets with branch protection policies
- Reduced deployment friction and human error through automated S3 sync and rollback-friendly deployments.
- Deploy to development and staging environments to ensure seamless integration into production.
- Built workflows using custom Composite Actions and Reusable Workflows.

Containerized Applications & Orchestration

- Deployed Dockerized backend applications to ECS, pulling built images from ECR.
- Containerized apps of varying programming languages using multi-stage builds to reduce image size.
- Integrated multiple supporting applications using Docker Compose.
- Built a webpage to serve small containerized games, each in its own isolated Docker environment.

Monitoring & Observability

- Integrated Prometheus + Grafana dashboards to monitor container health, resource usage, uptime for anomalies.
- Configured CloudWatch Alarms to trigger Slack alerts for ECS/Lambda issues and performance thresholds.

Professional Experience

Regional Manager
Royal Pest & Termite
2020 - Present

- Managed operations, compliance, and safety for high-risk products (Vikane, Zythor) across multiple sites.
- Created AI workflows using tools like n8n for lead generation and customer follow-up systems, internal management systems, inventory management and organization, internal knowledge databases for employees, and equipment management
- Trained teams and staff on the use of custom AI workflows and systems (sales, office, techs, managers)
- Created AI generated videos that explain our business and service offerings, promotional material, etc.
- Created embedded chatbot in homepage as well as emailed proposals to answer common customer questions
- Directed cross-functional teams (field, office, logistics) with precision and urgency.
- Documented safety protocols and operational SOPs—translating well into structured DevOps processes.
- Oversaw onboarding, technical training, and government inspections, ensuring high availability and accountability.

Education & Learning Path

Self-Taught DevOps Engineer
2021 - Present

Completed intensive self-learning via documentation, open-source projects, and structured coursework including:

freeCodeCamp, KodeKloud, Linux Academy, Nucamp

YouTube channels (Bret Fisher, DevOps Journey, Anton Putra)

AWS documentation, Terraform Registry, Kubernetes.io

Skills & Traits

Strong troubleshooting mindset—able to trace, debug, and resolve issues across layers

Capable of onboarding fast to new systems with minimal guidance

Natural systems thinker—automating what's repetitive and documenting what's not

Excellent written/verbal communication; comfortable bridging technical and non-technical teams