

James Kelley

Senior DevOps Engineer | Team Leadership | Cloud Infrastructure | Automation

✉ jkkelley86@gmail.com 🔗 <https://www.linkedin.com/in/james-kelley-6bab43212/> 🌐 www.jkkelley.com 📍 Twin Cities, MN

SUMMARY

Results-driven DevOps Engineer with a strong background in building and maintaining cloud infrastructure on AWS. Adept at quickly learning new technologies and adapting to evolving business and technical requirements. Experienced in automating deployments using Terraform, and optimizing CI/CD pipelines to support rapid delivery. Skilled in implementing security best practices, IAM policies, and monitoring solutions to enhance reliability. Passionate about streamlining operations through automation, reducing costs, and scaling systems to meet changing demands. Known for collaborating across teams to deliver secure, high-availability environments aligned with dynamic business objectives.

SKILLS

DevOps Tools

Terraform

Pulumi

CloudFormation

Docker

CodePipeline

CodeBuild

Ansible

SaltStack

Clouds

AWS

Azure

GCP

CI/CD and Version Control

Jenkins

GitHub Actions

CircleCI

Databases

MySQL

PostgreSQL

DynamoDB

Redis

Scripting & Programming Languages

Bash

Python

Go

Version Control

GitHub

Bitbucket

GitLab

AWS Services

EC2

VPC

RDS

Lambda

OpenSearch

ElastiCache

ECS

ELB

ECR

Route53

S3

IAM

SQS

SNS

WAF

Auto Scaling

KMS

CloudFormation

API Gateway

DynamoDB

KEY ACHIEVEMENTS



Cost Optimization

Lessen infrastructure costs by 81% through Spot Instances.



High Availability

Achieved 99.9% uptime with optimized auto-scaling strategies.



Refined Cloud Infrastructure

Lowered overall cloud costs by 16% through rightsizing, savings plan, monitoring.



Enhanced Cloud Security

Addressed 20,000+ vulnerabilities to enhance AWS security.



Streamlined Deployment Process

Automated deployments to increase efficiency by 50% with Terraform.



Pipeline High Availability

Improved pipeline uptime to 99.6% through IaC, automated testing.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate (Credential ID:ZZRFENJFN4Q1XGJ)

EDUCATION

Full Stack Software Engineering Certification

Prime Digital Academy

📅 2021

EXPERIENCE

Senior DevOps Engineer

LogiCloud Technologies LLC - Remote Infrastructure Consultant

📅 11/2023 - Present 📍 Las Vegas, Nevada

- **CI/CD Automation** – I mentored a team of 4 DevOps engineers, that built single-click deployment pipelines enabling developers to push code and auto-build versioned artifacts; decreased deployment time from ~45 mins to <10 mins, maximized release frequency by 300%, and accelerated product delivery cycles.
- **AWS Audit & Optimization** – I prioritized and coordinated with 10+ AWS account owners, finance, and compliance teams to implement cost optimization strategies saving \$320K annually.
- **Auto-Scaling Strategies** – I established an EC2 and containerized workload for auto-scaling, boosting availability to 99.94% while lowering compute costs by 20–30%, ensuring both performance and efficiency.
- **Pipeline Modernization** – My agile team contributed to re-architecting our Jenkins pipelines to provision DB schemas, users, and roles with Terraform; eliminated configuration drift, and shortened developer onboarding from 7 days to <1 day, boosting team productivity.
- **Spot Instance Optimization** – Our team fostered all non-production workloads to Terraform-managed Spot Instances; cut infrastructure cost by 81% (~\$200K/year savings) without impacting uptime.
- **Infrastructure as Code (IaC)** – My team was able to deliver a scalable IaC pattern with Terraform and CloudFormation, automating thousands of resources with security guardrails; this cut down provisioning time by 70% and minimized risk of misconfigurations.

DevOps Engineer

LogiCloud Technologies LLC - Remote Infrastructure Consultant

📅 08/2021 - 11/2023 📍 Las Vegas, Nevada

- **Cloud Vulnerability Remediation** – I streamlined a team of DevOps engineers, to a remediation of over 20,000+ AWS vulnerabilities via Wiz; minimized high-severity findings by 95% in 6 months.
- **Database Upgrades** – Upgraded 5 production PostgreSQL clusters (v10 → v14) supporting 2,000+ daily active users; this deflated security vulnerabilities by 30% (based on CVE scan reports) and boosted query performance by 25% (per benchmark tests), all with zero unplanned downtime.
- **Business Intelligence Enablement** – Deployed and configured Metabase v0.46, enabling self-service analytics for 20+ business users; cut engineering support requests by 40% and shortened decision-making cycles from days to hours.
- **CI/CD Pipeline Management** – Optimized and maintained CircleCI pipelines handling 100+ builds weekly; reduced average build times by 20% and ensured 99.6% uptime through proactive version upgrades and pipeline redesign.
- **Monitoring & Alerting** – Built CloudWatch dashboards and custom alarms with SNS integration across 50+ services; improved mean-time-to-detection by 50% and cut incident response time by 35%, based on ticketing system resolution metrics.
- **Security Hardening** – Audited 500+ IAM roles/policies, implemented least-privilege access, and integrated AWS WAF, ALB, and Shield; reduced external attack surface by 40% and passed 100% of compliance audits.