

Luke Acosta

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SUMMARY

Mid-level **DevOps Engineer** with five years of **production cloud experience** building secure, scalable delivery platforms for SaaS products and client-facing applications. AWS, Terraform, Terragrunt, Helm, Kubernetes, GitHub Actions, Python, Docker, and Datadog support hands-on ownership from infrastructure planning through deployment validation. Recent work strengthened release controls across 18 services, standardized **Amazon EKS** workloads, and improved operational visibility for **distributed support teams**. Brings a practical, calm approach to Agile delivery, incident response, and stakeholder partnership. Ready to contribute that experience at Redwood Harbor Technologies, support global clients with empathy, and turn application needs into reliable systems that teams can operate confidently.

EXPERIENCE

DevOps Engineer March 2024 - Present
Harbor Ridge Systems *Austin, TX*

Owns AWS **deployment architecture**, platform standards, release automation, and observability for 18 customer-facing services. Partners with product engineers and **global clients** during Agile planning, change reviews, and production support.

- Directed Terraform and Terragrunt changes across 18 AWS services, standardizing releases across three environments.
- Built **GitHub Actions** pipelines with **approval gates** and rollback paths, giving teams safer container releases.
- Standardized Amazon EKS templates, ingress, secrets, and policies, simplifying secure workload launches for product teams.
- Created Python validation and cleanup utilities, removing recurring manual checks from sprint operations.
- Connected Datadog dashboards, monitors, and **deployment events** with runbooks, improving distributed **incident response**.
- Partnered with global clients during Agile planning, resolving release risks before production change reviews.

Cloud Automation Engineer January 2022 - February 2024
Blue Mesa Digital *Denver, CO*

Managed AWS infrastructure and delivery automation for a **multi-tenant analytics platform**. Improved environment consistency, release quality, Helm packaging, and production observability through **infrastructure as code** and close partnership with development, QA, and client operations teams.

- Managed Terraform for AWS VPC, IAM, ECS, RDS, S3, and CloudWatch across multi-tenant workloads.
- Introduced Terragrunt conventions across six environments, reducing **configuration drift** between accounts and regions.
- Migrated deployment scripts into GitHub Actions, adding Python checks before merge approval.
- Packaged services with Helm charts and testing practices, supporting consistent artifact promotion across environments.
- Created Datadog monitors for latency, errors, task health, and **database capacity**, clarifying on-call diagnosis.
- Led **post-release reviews** with developers, QA, and **client operations teams** after high-impact changes.

Cloud Operations Analyst June 2021 - December 2021
Cedar Peak Labs *Salt Lake City, UT*

Supported **AWS account operations** and supervised delivery improvements for internal development workloads. Built foundational Terraform, GitHub Actions, Helm, Python, and Datadog practices while learning disciplined cloud operations within an Agile engineering team.

- Supported IAM reviews, security groups, S3 policies, and AWS health checks under senior guidance.
- Converted recurring infrastructure requests into **Terraform modules**, improving sandbox and integration consistency.
- Maintained GitHub Actions workflows for testing, **container builds**, and **Terraform validation** before shared deployment.
- Assisted Helm releases on Amazon EKS, verifying **readiness probes**, configuration, and resource limits.
- Wrote Python scripts summarizing **failed workflow runs**, creating searchable troubleshooting records for sprint reviews.
- Built Datadog dashboards for laboratory applications and presented alert-tuning recommendations during Agile demonstrations.

PROJECTS

Multi-Account AWS Delivery Blueprint 📅 2025

Created a reusable AWS delivery blueprint with Terraform, Terragrunt, GitHub Actions, Helm, and Datadog. Blueprint covered account configuration, guarded deployments, environment promotion, monitoring, and rollback documentation for scalable client solutions.

EKS Release Reliability Toolkit 📅 2024

Built an Amazon EKS toolkit combining Python validation, Helm chart checks, deployment events, and Datadog monitors. Toolkit helped teams catch configuration risks before release and connect production signals with response runbooks.

LEADERSHIP & AWARDS

- Dean's List, University of Utah, 2020 and 2021; recognized for sustained academic performance.
- Outstanding Cloud Automation Capstone, 2021; honored for practical infrastructure automation and systems analysis.
- DevOps Study Group Facilitator, University of Utah, 2020 - 2021; guided peer sessions on cloud operations.

EDUCATION

Bachelor of Science in Information Systems

2021

University of Utah GPA: 3.8

Salt Lake City, UT

Coursework: Cloud infrastructure, Systems analysis, Database management, Information security

CERTIFICATIONS

- AWS Certified SysOps Administrator - Associate 2025
- HashiCorp Certified: Terraform Associate 2024

TECHNICAL SKILLS

- AWS Services: Amazon EKS, ECS, EC2, VPC
- AWS Data Services: RDS, S3, CloudWatch
- Infrastructure as Code: Terraform, Terragrunt, HCL
- Container Platforms: Kubernetes, Docker, Amazon EKS
- Deployment Packaging: Helm, Helm charts, Kubernetes manifests
- CI/CD Platforms: GitHub Actions, reusable actions, approval gates
- Programming and Scripting: Python, Bash, YAML
- Observability Tools: Datadog, dashboards, monitors
- Security Controls: IAM, security groups, secrets management
- Delivery Methodologies: Agile, sprint planning, retrospectives
- Operations Practices: Incident response, runbooks, rollback planning

SKILLS

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|--------------|--------------------|--------------------------|----------------------|
| • AWS | • GitHub Actions | • CI/CD | • Incident response |
| • Terraform | • Python scripting | • Infrastructure as code | • Agile delivery |
| • Terragrunt | • Datadog | • Cloud architecture | • Production support |
| • Helm | • Kubernetes | • Release automation | |

PROFESSIONAL AFFILIATIONS

- Volunteer Technical Mentor, Salt Lake City Code Collaborative, 2021 - 2022; supported learners through practical coding challenges.
- DevOps Study Group, University of Utah, 2020 - 2021; shared AWS, Terraform, and delivery lessons with peers.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST