



Hassan Alvarado

Senior AWS DevOps Engineer

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SUMMARY

Senior **AWS** DevOps Engineer with 7 years of experience building, automating, and operating AWS platforms for complex customer-facing applications. Brings hands-on depth across EC2, S3, Lambda, RDS, EKS, Kubernetes, Terraform, **CI/CD**, CloudWatch, Prometheus, and Grafana. Leads secure infrastructure delivery with Python, Bash, GitHub Actions, Jenkins, GitLab CI, Argo CD, Helm, and Docker. Known for taking ownership of difficult production incidents, tracing failures across application and infrastructure layers, and turning findings into shared libraries, runbooks, and lasting engineering improvements. Recent experiments with **Claude Code** and **Copilot CLI** accelerated runbook creation, pipeline analysis, and infrastructure review. Ready to bring practical AWS leadership, clear communication, and dependable delivery to a remote product team serving ambitious clients.

EXPERIENCE

Senior AWS DevOps Engineer

Canyon Ridge Commerce 📅 March 2024 - Present 📍 Remote, NC

Owns AWS platform engineering for more than 30 microservices across EKS, RDS, S3, Lambda, and EC2. Partners with product engineers in Agile and Scrum delivery, leads production reliability work, and guides secure infrastructure decisions that support dependable client releases.

- Owned **AWS infrastructure** for 30+ microservices across EKS, RDS, S3, **Lambda**, and EC2, aligning capacity and reliability work with product commitments.
- Rebuilt **Terraform** modules for networking, IAM, EKS, and managed databases, reducing configuration drift across development, staging, and production environments.
- Directed production **Kubernetes** upgrades with resource policies, pod disruption budgets, and deployment safeguards, improving workload stability for customer-facing services.
- Modernized GitHub Actions and Argo CD pipelines with testing, image scanning, approval gates, and rollback paths, enabling safer sprint releases.
- Connected **CloudWatch**, **Prometheus**, and Grafana signals to service dashboards and actionable alerts, shortening triage for latency, queue, and database incidents.
- Piloted Claude Code and Copilot CLI for runbook creation, Terraform review, and pipeline diagnostics, preserving security controls through engineer validation.

AWS DevOps Engineer

Redwood Harbor Systems 📅 July 2021 - February 2024 📍 Charlotte, NC

Engineered multi-account AWS foundations and production Kubernetes operations for a regulated SaaS platform. Supported Scrum teams through infrastructure automation, CI/CD delivery, observability, compliance controls, and cross-layer incident resolution.

- Engineered multi-account AWS foundations with IAM boundaries, private networking, encryption, and audit logging, supporting regulated SaaS **compliance** reviews.
- Migrated six production services from unmanaged hosts to **EKS** using Helm, ingress controls, Kubernetes deployments, and rolling release methods.
- Created Terraform workflows with remote state controls, module versioning, policy checks, and peer review, making infrastructure changes traceable.
- Maintained Jenkins and GitLab CI pipelines for Java and **Python** services, adding tests, container builds, artifact promotion, and deployment approvals.
- Built Prometheus and **Grafana** dashboards with CloudWatch signals and centralized **logging** queries, improving root-cause evidence during on-call events.
- Resolved networking, DNS, and deployment failures across application and platform layers, then converted findings into Python and **Bash** utilities and searchable documentation.

Cloud DevOps Engineer

Beacon Peak Technologies 📅 August 2019 - June 2021 📍 Atlanta, GA

STRENGTHS



Production Ownership

During difficult EKS incidents, stayed with evidence until service impact was clear, then left behind fixes and runbooks peers could trust.



Clear Collaboration

Product engineers gained a dependable platform partner through release planning, incident reviews, and candid tradeoff discussions that kept commitments visible.



Automation Mindset

Terraform modules and Python or Bash utilities replaced repeated manual steps; teammates soon sought these patterns for new environments.



Calm Incident Response

When networking or deployment failures crossed system layers, followed signals patiently and gave stakeholders useful updates before proposing corrective action.



Practical AI Adoption

Claude Code and Copilot CLI experiments began with small runbook tasks, then earned team interest through reviewable outputs and clear guardrails.

SKILLS

AWS Kubernetes Terraform

CI/CD Python Bash Docker

Linux Git Cloud security

Compliance Incident response

EDUCATION

Bachelor's Degree in Computer Science

Arizona State University 🎓 GPA: 3.8 📅 2018 📍 Tempe, AZ

Coursework: Cloud computing, Operating systems, Computer networks, Software engineering, Database systems

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA) 📅 2024
- AWS Certified Solutions Architect - Associate 📅 2023
- HashiCorp Certified: Terraform Associate 📅 2022

TECHNICAL SKILLS

- **AWS Services:** EC2, S3, Lambda, RDS, EKS
- **AWS Networking:** VPC, IAM, security groups
- **Kubernetes Platforms:** Kubernetes, Helm, Argo CD
- **Infrastructure as Code:** Terraform, HCL, remote state
- **CI/CD Platforms:** Jenkins, GitHub Actions, GitLab CI
- **Observability Tools:** CloudWatch, Prometheus, Grafana
- **Containers:** Docker, container images, registries
- **Automation Languages:** Python, Bash, Shell scripting
- **Source Control:** Git, GitHub, GitLab
- **Security and Compliance:** IAM boundaries, encryption, audit logging
- **AI DevOps Tools:** Claude Code, Copilot CLI, agentic AI
- **Delivery Methods:** Agile, Scrum, sprint retrospectives

PROFESSIONAL AFFILIATIONS

- AWS Cloud Study Group Mentor, Triangle Cloud Native Meetup, 2024-Present. Shares practical cloud lessons with engineers at varied career stages.
- Member, Cloud Native Computing Foundation community, 2022-Present. Follows Kubernetes operations, platform engineering, and open-source practices.

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST