

Luka Berg

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SUMMARY

Senior Cloud Engineer with eight years of experience building, automating, and supporting secure cloud platforms across Google Cloud, AWS, and **hybrid environments**. Brings hands-on leadership across Kubernetes, GKE, Terraform, **Infrastructure as Code**, Linux administration, networking, observability, automation, and **cloud migration**. Recent work moved 30 **on-premises** services into Google Cloud through dependency mapping, rehearsal cutovers, rollback planning, and post-migration validation. Platform improvements strengthened RBAC, Workload Identity, compliance evidence, incident response, and service reliability in regulated healthcare operations. Known for calm troubleshooting, clear runbooks, and practical partnership with engineering, security, and operations teams. Phoenix-based and ready to help build dependable platforms for Northstar Cloud Systems.

EXPERIENCE

Senior Cloud Engineer

January 2024 - Present

Canyon Peak Digital

Phoenix, AZ

Leads platform engineering for Google Cloud workloads across GKE, Compute Engine, Cloud SQL, VPC networking, IAM, and private connectivity. Owns architecture decisions, migration delivery, operational readiness, security controls, and mentoring for platform changes supporting regulated production services.

- Owned GKE, **Compute Engine**, Cloud SQL, VPC networking, IAM, and **private connectivity** architecture, aligning platform choices with availability and security needs.
- Standardized GKE provisioning through Terraform modules and Git review workflows, giving application teams repeatable node pools, namespaces, policies, and environment settings.
- Directed migration of 30 on-premises services into **Google Cloud** through dependency mapping, rehearsal cutovers, rollback plans, and post-migration validation, reducing release risk.
- Built Prometheus, Grafana, and **Cloud Logging** dashboards with actionable thresholds and runbooks, helping responders isolate cluster and workload symptoms faster.
- Strengthened RBAC and **Workload Identity** through service-account reviews, least-privilege bindings, secrets controls, and audit evidence, supporting regulated production operations.
- Mentored four engineers on **Kubernetes** diagnosis, Terraform conventions, Linux diagnostics, and Agile delivery, raising confidence during platform reviews and incidents.

Cloud Platform Engineer

January 2022 - December 2023

Mesa Ridge Health Services

Scottsdale, AZ

Built and operated Google Cloud landing-zone components and multi-cluster Kubernetes environments for patient-service applications. Combined Terraform, Python, Bash, CI/CD, hybrid connectivity support, and compliance coordination, giving application teams safer paths from development through production.

- Built reusable **Terraform** landing-zone configurations for projects, VPCs, subnets, firewall rules, **IAM** groups, and centralized logging, improving consistency across environments.
- Operated multi-cluster Kubernetes platforms for patient-service applications, resolving scheduling, networking, ingress, storage, and container-runtime incidents through structured analysis.
- Automated Linux provisioning, patch validation, and environment checks with **Python**, Bash, and **CI/CD** pipelines, replacing manual release preparation with repeatable controls.
- Partnered with **security** analysts on RBAC reviews, vulnerability remediation, and evidence collection, helping regulated services meet internal **compliance** procedures.
- Supported hybrid connectivity between data-center networks and Google Cloud by troubleshooting DNS, routing, VPN, and firewall behavior, then documenting dependencies for approvals.
- Authored deployment guides, escalation paths, and recovery procedures, shortening application-team onboarding and improving consistency across development, test, and production.

Systems Engineer

June 2020 - December 2021

Blue Mesa Systems

Tempe, AZ

Administered Linux servers and container hosts while helping an engineering organization adopt Kubernetes and Terraform. Supported production reliability through configuration standards, network diagnosis, monitoring, Agile release coordination, and documentation that made quiet operational work visible.

- Administered Linux servers and container hosts with patch schedules, access controls, configuration standards, and capacity checks, supporting stable production infrastructure.
- Converted recurring infrastructure requests into Terraform plans and **Bash** automation, adding peer review and state management for safer environment changes.
- Supported early Kubernetes adoption by configuring namespaces, deployments, services, ingress rules, and resource limits for internal **engineering** workloads.
- Investigated connectivity and performance incidents with Linux tooling, **TCP/IP** diagnostics, DNS analysis, and centralized logs, giving operational reviews clear root-cause findings.
- Expanded **Prometheus** and Grafana coverage with dashboards and alerts for node health, container restarts, storage pressure, and network symptoms, improving issue visibility.
- Worked in Agile sprint cycles with developers and **operations** specialists to test platform changes, maintain **technical documentation**, and coordinate controlled releases.

Cloud Operations Analyst

August 2018 - May 2020

Copper State Technology Group

Mesa, AZ

Supported daily cloud operations across Google Cloud and AWS, building early depth in Linux administration, networking, access management, Terraform validation, monitoring, scripting, and incident response. Maintained disciplined approvals and documentation while preparing for broader **platform engineering** ownership.

- Supported **Google Cloud** and **AWS** operations through access requests, virtual-machine provisioning, network changes, backups, and routine health checks, keeping service work aligned with approvals.
- Wrote Bash and Python utilities for inventory collection, log review, and post-change verification, improving consistency across daily operations without bypassing controls.
- Diagnosed Linux service failures, DNS issues, firewall blocks, and container startup errors through ticket-based investigation and documented escalation procedures.
- Validated Terraform plans, reviewed variable changes, and confirmed resource state after approved deployments, helping senior engineers reduce avoidable configuration drift.
- Maintained **monitoring** and logging settings for compute, storage, and network services, routing actionable alerts into appropriate operations queues.
- Updated **runbooks** and knowledge articles for cloud access, **incident response**, maintenance windows, and recovery checks, creating a dependable base for platform growth.

PROJECTS

Hybrid Service Migration Factory 📅 2025

A quiet dependency often decides whether a migration succeeds. Built a repeatable migration playbook for service inventory, DNS review, VPN checks, cutover rehearsal, rollback planning, and post-migration validation across hybrid Google Cloud environments.

Kubernetes Reliability Console 📅 2024

When an alert arrives, context matters more than volume. Created a GKE observability pattern combining Prometheus, Grafana, Cloud Logging, workload signals, alert thresholds, and responder runbooks for faster incident diagnosis.

Terraform Platform Module Library 📅 2023

Small configuration differences can create large operational costs. Developed reusable Terraform modules for projects, VPCs, subnets, firewall rules, IAM, logging, and Kubernetes foundations with Git-based review controls.

LEADERSHIP & AWARDS

- Platform Reliability Recognition, Canyon Peak Digital, 2025
- Cloud Operations Excellence Award, Mesa Ridge Health Services, 2023
- Arizona State University Information Technology Scholarship, 2017

EDUCATION

Bachelor of Science in Information Technology

2018

Arizona State University GPA: 4.0

Tempe, AZ

Coursework: Cloud computing, Linux systems administration, computer networking, information security

CERTIFICATIONS

- Google Cloud Professional Cloud DevOps Engineer 📅 2023
- HashiCorp Certified: Terraform Associate 📅 2022

- Google Cloud Associate Cloud Engineer 📅 2021

TECHNICAL SKILLS

- **Google Cloud Platforms:** GKE, Compute Engine, Cloud SQL
- **AWS Cloud Services:** EC2, VPC, CloudWatch
- **Kubernetes Platforms:** Kubernetes, GKE, namespaces
- **Infrastructure as Code:** Terraform, Terraform modules, Git
- **Container Technologies:** Docker, containerd, container hosts
- **Linux Administration:** Linux, Bash, systemd
- **Networking Systems:** VPC, TCP/IP, DNS
- **Security and Access:** IAM, RBAC, Workload Identity
- **Monitoring and Logging:** Prometheus, Grafana, Cloud Logging
- **Automation and Delivery:** Python, CI/CD, Git
- **Hybrid Connectivity:** VPN, routing, firewall rules
- **Operations Documentation:** Runbooks, recovery procedures, escalation paths

SKILLS

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|----------------|----------|-------------------|-------------------|
| • Kubernetes | • Azure | • Docker | • RBAC |
| • Terraform | • Linux | • GKE | • Troubleshooting |
| • Google Cloud | • Python | • Cloud Migration | • DevOps |
| • AWS | • Bash | • Hybrid Cloud | |

PROFESSIONAL AFFILIATIONS

- Phoenix Cloud Native Meetup, Volunteer Technical Presenter, 2024 - Present
- Internal Kubernetes Study Group, Facilitator, 2022 - 2024
- Arizona State University Linux User Group, Workshop Coordinator, 2017 - 2018

LANGUAGES

- English (Native)
- German (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST