

Manmohansingh Badhasingani

Platform · DevOps · Cloud Reliability Engineer

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SUMMARY

Platform / DevOps / Cloud Reliability Engineer with 4.7+ years owning production infrastructure on Google Cloud Platform for multi-tenant SaaS at scale — 46+ VM instances, 62+ Cloud Run services and multi-cluster GKE across dev, stage and production with zero major outages. I own production and improve it: zero-downtime deployments, database scaling, full-stack observability, cloud-cost governance and GitOps CI/CD automation.

EXPERIENCE

DevOps / Platform Engineer | Blueprint X Labs Inc (key.AI)

Jun 2024 – Present · Ahmedabad, India

- Own and operate the full production estate across dev, stage and production — 46+ VMs, 62+ Cloud Run services and multi-cluster GKE supporting 40+ microservices — with zero major outages.
- Scaled the multi-tenant Postgres tier with master/replica read-write separation and PgBouncer transaction pooling, resolving a critical connection-pool-exhaustion failure and offloading reads from the master (pool tuned 20 → 200 for concurrent multi-tenant load).
- Built a serverless GCP billing-anomaly detection system (Cloud Scheduler → Cloud Run → BigQuery billing export → Cloud Monitoring alerts) that flags per-project daily spend anomalies within hours — running at effectively \$0 within free-tier limits.
- Cut CI cost and instability by migrating GitHub Actions onto self-hosted runners — deployed Actions Runner Controller (ARC) on GKE with scale-to-zero Spot nodes — eliminating runner-minute exhaustion and reducing CI compute cost by ~95% vs hosted runners.
- Engineered a Cloud Run deployment pipeline (cross-platform image builds → Artifact Registry → health-checked, revision-based zero-downtime releases with instant rollback) with cross-project dev/stage/prod isolation and optional lint/typecheck/test gates.
- Instrumented cost-aware observability: Datadog APM + custom DogStatsD metrics (dead-letter queue depth, webhook failures, consumer lag, DB pool saturation) on long-lived VM services with monitors-as-code in Terraform; GCP Cloud Monitoring → Slack for serverless and CI.
- Investigated and remediated a recurring multi-thousand-dollar idle-infrastructure cost leak using Cloud Audit Logs, then deployed automated cost monitoring to prevent recurrence.
- Authored multi-tenant Terraform modules provisioning per-tenant Postgres and Redis, with credentials managed in Secret Manager.

DevOps Engineer | Hexanika Research Pvt. Ltd.

May 2021 – Oct 2023 · Pune, India

Nov 2023 – May 2024: Career break for DevOps upskilling (Kubernetes, Helm, advanced Terraform).

- Provisioned and maintained multi-environment GCP infrastructure (VMs, Cloud Storage, Cloud SQL) with Terraform — reducing provisioning time from 2+ days to under 30 minutes.
- Authored reusable Terraform modules for networking, compute and storage, enforcing IaC standards and eliminating configuration drift across 3 environments.
- Built end-to-end CI/CD pipelines on Azure DevOps for multi-service applications with automated testing gates.
- Automated SQL Server stored procedures and optimised Azure Data Factory pipelines, reducing manual data processing effort by ~50%.

SKILLS

Cloud & Infra	GCP — Compute Engine, Cloud Run, GKE, VPC, IAM, Secret Manager, Artifact Registry, BigQuery; AWS (ECS, S3)
Containers & Orchestration	Docker, Kubernetes (GKE), Helm, Actions Runner Controller (ARC)
CI/CD & GitOps	GitHub Actions (self-hosted runners), Azure DevOps, Jenkins, zero-downtime releases, auto-rollback
Infrastructure as Code	Terraform (modules, state, workspaces)
Databases	PostgreSQL, read replicas, PgBouncer pooling, Cloud SQL, Redis, SQL Server
Observability	Datadog (APM, DogStatsD, monitors-as-code), GCP Cloud Monitoring
Cost & FinOps	BigQuery billing export, anomaly detection, cost reporting & leak remediation
Languages & OS	Bash, Python, Linux (Ubuntu/Debian)

EDUCATION

Master of Computer Applications (MCA) MIT World Peace University, Pune	2021 · 81.2%
BSc Information Technology Saurashtra University, Junagadh	2018 · 69.7%

CERTIFICATIONS

- Google Cloud Fundamentals: Core Infrastructure
- Infrastructure Automation with Terraform
- Deploying Apps with Docker & ECS
- Industry-Relevant AWS Training