

RAMESH SUDHAN

Cloud Engineer



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PROFESSIONAL SUMMARY

- **Cloud Infrastructure Engineer** with **2+ years** of experience in IT, specializing in designing, deploying, and managing cloud infrastructure.
- Certified in **Google Cloud (Associate Cloud Engineer)** with hands-on experience across **GCP, AWS, and Azure**, managing cloud infrastructure and services end to end.
- Skilled in implementing **Infrastructure as Code (IaC)** with **Terraform**, automating deployments through **CI/CD pipelines**, and building secure, scalable, cloud solutions.
- Eager to drive innovation, cost-efficiency, and operational excellence through cloud technologies.

EXPERIENCE

Cloud Infrastructure Engineer - Ingram Micro Platform Technology India

July 2023 – Present

- **Designed and maintained** scalable cloud infrastructure across GCP, Azure, and AWS using **Terraform**, managing **compute, networking, IAM, VPCs, and storage resources** for both production and non-production environments.
- **Developed a reusable Terraform module for GCP Pub/Sub**, wrapping the official module to support advanced features such as automatic **IAM bindings, dead-letter topic integration, and service account access control**, which is adopted across multiple projects internally.
- **Automated user onboarding and offboarding** by integrating **GitHub repository access** with the internal **ServiceNow** ticketing system, reducing manual effort and improving compliance/audit readiness.
- **Migrated multiple GKE clusters from Standard to Autopilot mode**, reducing infrastructure maintenance overhead and achieving major cost savings.
- **Designed and implemented CI/CD pipelines** using **Cloud Build and GitHub Actions** for Terraform-based deployments, enabling consistent, version-controlled infrastructure delivery.
- **Enforced least-privilege IAM policies** across projects using Terraform to **provision service accounts, custom roles, and fine-grained permissions**, improving security posture and auditability.
- Led efforts to **standardize internal Terraform module design and versioning strategy, ensuring consistent reuse, scalability, and maintainability across environments**.
- **Monitored and troubleshooted issues** in production and staging environments using **Cloud Monitoring, Cloud Logging, and IAM policy analysis**, improving service uptime and response times.
- **Worked closely with security, and application teams to evaluate new cloud services**, propose architectural improvements, and align infrastructure with business requirements.
- Implemented a **Python automation tool** to scan for **unused snapshots across GCP projects**, generating cleanup reports to support storage cost reduction efforts.

- **Monitored and troubleshoot issues** in production and staging environments using **Cloud Monitoring, Cloud Logging, and IAM policy analysis**, improving service uptime and response times.
- **Configured Workload Identity Federation between AWS and GCP** to enable **secure, short-lived credential access** for cross-cloud resource migration, eliminating the need for long-term service account key usage.
- **Built container images using Docker**, pushed them to **Artifact Registry**, and deployed applications to **Cloud Run** and **GKE** for scalable, serverless and containerized workloads.

TECHNICAL SKILLS

Google Cloud Platform (GCP): IAM, Compute Engine, GKE (Google Kubernetes Engine), Pub/Sub, Cloud Functions, Cloud Run, BigQuery, Cloud Storage, VPC, Cloud Build (CI/CD)

Microsoft Azure: Virtual Machines, Azure Blob Storage, Azure Functions, VNet

Amazon Web Services (AWS): EC2, S3, Security Groups, AWS Lambda, VPC

Infrastructure as Code (IaC): Terraform

DevOps & Automation Tools: Cloud Build (CI/CD), gcloud CLI, Git, GitHub, Docker

Programming & Scripting: Python, C, Bash, Basics of SQL

FinOps tool: VMware Tanzu CloudHealth

Ticketing Tools: ServiceNow, Jira

ACHIEVEMENTS

- **Google Cloud Certified – Associate Cloud Engineer ([Certificate](#))**
- **Contributed to open-source:** Merged 3 pull requests into the [Terraform Google Pub/Sub module](#), improving security (PoLP), feature support (dead-lettering, push options), and flexibility for enterprise users.
- **Developed an internal GCP Pub/Sub module** that simplified IAM handling and eliminated manual pre-granting of access for BigQuery and Cloud Storage subscriptions — adopted across multiple internal projects.

EDUCATION

B.E (Electronics and Communications) CGPA: 9.24
Jerusalem College of Engineering - Chennai, Tamil Nadu. India

Passed Out: 2023

12th / HSC Percentage: 76.33%
St. Joseph's matric Higher secondary school - Chengalpattu, Tamil Nadu. India

Passed Out: 2019

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Yours Sincerely,

Ramesh Sudhan