

Sumanth Burla

Cloud DevOps Engineer

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Skills

- **Cloud Environments:** Google Cloud Platform (GCP), Amazon Web Service (AWS), Azure
- **GCP Services:** GCE, VPC, IAM, Cloud Build, Cloud Run, Cloud Function, GKE, Cloud storage, Pub/Sub, Monitoring & Logging
- **Tools & Services:** Jenkins, Docker, Kubernetes, GenAI.
- **Infrastructure as Code (IaC):** Terraform
- **Languages:** Python, JavaScript, HTML & CSS +Bootstrap, PHP
- **Security & Compliance:** HIPAA, SOC 2 & PCI-DSS(Vanta)

Work Experience

AMPS Healthcare Pvt LTD - Cloud DevOps Engineer

Feb 2024 - Present

- Collaborate daily with Product Owner to manage GCP infrastructure, ensuring **100% alignment** with business goals & efficient cloud deployments/operations.
- Solo engineered complete **CI/CD pipeline** across Dev/Test/Prod environments (4x Cloud Run, 1x GCS + GLB), including comprehensive **Terraform IaC**.
- **GCP Org. Restructuring:** Identified & remediated critical GCP vulnerability by restructuring resource hierarchy to env-specific using Terraform.
- **Proactive Security Automation:** Developed a solution that automatically disables abnormal API patterns, safeguarding all GCP projects organization-wide.
- **Reduced build time 40%(5min → 3min)** across all applications by **lighter base images & dependency caching** (fetch only on modification).
- **Container Image Optimization:** Reduced **size 60% (500+MB → 200+MB)** while maintaining **99% image accuracy**, improving speed and cost.
- **Cost Optimization:** Saved **10% of monthly bill** by optimal allocation of compute power & deleting unused resources.
- **HIPAA and SOC2 Compliant:** Achieved HIPAA & SOC 2 compliance in GCP by addressing non-compliant configurations using **Vanta** tool.
- **Shared VPC Networking:** Replaced default VPC usage with Shared VPC setup, improving network security, resource isolation, & operational efficiency.
- **Vertica Data Warehouse Migration:** Led complex migration of healthcare schemas & data from legacy **VerticaVM** to new **VMC** using secure tunnels.
- **Enterprise Airflow Deployment:** Solely deployed latest **Apache Airflow on RHEL servers using Docker Compose** with fully decoupled architecture.
- **Develop & Deploy:** Developed **static status web page(status.abc.com)** deployed in Cloud Storage with as Cloud Function backend.
- **Implemented centralized monitoring/logging** solution with comprehensive dashboards and multiple alert policies.
- Created **Terraform DR code** to recreate VMs efficiently. Also, Conducted **3-week Terraform training** for team, ensuring smooth IaC adoption.
- Developed Elixir umbrella app, containerized and deployed on serverless Cloud Run using Cloud Build (POC).

DXC Technology - Cloud DevOps Engineer

Mar 2021 - Feb 2024

- **GCP Breach Resolution:** Swiftly detected & resolved breach by log analysis to identify unauthorized API calls & minimized potential financial costs.
- **Cost-Effective Solutions:** Designed & implemented real-time, event-driven Python solutions to disable compromised service accounts at **≈\$0 cost**.
- **Compute Engine Optimization:** Achieved a **49%** reduction in monthly Compute Engine costs by utilizing cloud function Python automation.
- **Cost-Efficient Transition:** Proposed and executed a cost-effective transition from Redis to Cloud Storage, resulting in a **75% cost reduction**.
- **CI/CD Build Optimization:** Reduced CI build time by **57% (21min → 9min)** using Jenkins & GCP Cloud Build for deploying 3-tier web microservices.
- **Challenges Resolution:** Effectively resolved numerous challenges during the deployment of a web application onto Google Cloud Run.
- **Knowledge Transfer:** Led sessions on CI/CD & GCP deployments, ensuring the team was well-equipped to handle cloud operations.

Samuha Creations Pvt Ltd - Intern

Jul 2019 - Aug 2019

- **CMS:** Developed frontend and backend code for an NGO content management system.

Publications

- A Proactive Cloud Function to Safeguard GCP Projects from bulkInsert API Abuse - [Medium](#)
- How to Optimize GCP VM Cost with Automated Start/Stop script - [Medium](#)
- Gemini: Google's Most Capable and General AI Model - [Medium](#)

Certificates

- Google Professional Cloud Architect
- Google Professional Cloud Security Engineer
- AWS Certified Cloud Practitioner
- Google Professional Cloud DevOps Engineer
- Google Associate cloud engineer
- Web Developer

Badges

- GoogleCloudHero APAC Top 10 (ML & DevOps)
- DevOps Essentials – CI/CD over AWS
- Architecting with GKE: Production Workloads
- Architecting with GKE: Foundation

Recognitions & Awards

- **Won 2 - Q3,Q4 FY24 Employee of the Quarter** – Received for achieving 10% cost optimization & for proposing an improved infra architecture.
- **Q2 FY24 Promotions** – Promoted to Professional1 for outstanding performance, remarkable technical growth, & impactful contributions.
- **Won Q3 FY23 DXC Champs award** – [eXcellence](#) for rapidly acquiring knowledge, optimizing costs & implementing them in real time projects.
- **Recognition** – Received from GCP Delivery Lead for good collaborate work done in all the projects.
- **Won Q3 FY22 DXC Champs award** – [eXcellence](#) for quickly learning terraform and for delivering several Terraform automation assets.

Education

- **JNTU Hyderabad** - B.Tech in Computer Science and Engineering

Aug 2016 - Sep 2020