

Shashi Preetham Gajji

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Cloud Engineer

Results-driven Cloud & DevOps Engineer with experience in Microsoft Azure and AWS environments, cloud support, and customer-focused service delivery. Proven ability to support cloud-based enterprise applications, automate infrastructure using Terraform and CI/CD tools, and assist in cloud operations and client onboarding processes. Currently pursuing a Postgraduate Diploma in Cloud Computing to deepen cloud architecture and operations expertise.

Professional Summary

- Cloud Engineer with nearly 3 years of professional experience in designing, automating, and maintaining secure, scalable cloud solutions on AWS, Azure, and GCP.
- Proven ability to deliver resilient cloud infrastructure through Infrastructure as Code (IaC) using Terraform and automate routine processes with Python and Bash scripting.
- Strong background in data modeling and analytics architecture, with hands-on experience in designing dimensional models (star/snowflake schemas), fact/dimension tables, and building data pipelines.
- Experienced in deploying containerized applications using Docker and Kubernetes; skilled in setting up CI/CD pipelines using Jenkins and GitHub Actions.
- Familiar with enterprise-grade monitoring and logging solutions, including CloudWatch, Azure Monitor, and Prometheus/Grafana.
- Actively contributed to cost optimization, reducing infrastructure cost by 18% through rightsizing, automation, and idle resource management.
- Adept at translating business requirements into cloud architecture solutions, ensuring high availability, disaster recovery, and compliance.
- Enthusiastic about building inclusive, accessible, and high-performance cloud-native systems and continuously improving through learning.

Technical Skills

- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, VPC, IAM), Azure (VM, AKS, Blob, ARM), GCP (Compute, Cloud Storage, IAM)
- **Infrastructure as Code:** Terraform, CloudFormation, ARM Templates
- **Containerization & Orchestration:** Docker, Kubernetes, Helm
- **CI/CD & DevOps:** Jenkins, GitHub Actions, Azure DevOps, Ansible
- **Scripting & Automation:** Python, Bash, YAML, PowerShell
- **Monitoring & Logging:** CloudWatch, Azure Monitor, ELK, Prometheus, Grafana
- **Databases:** MySQL, PostgreSQL, MongoDB, DynamoDB
- **Data Modeling:** Star/Snowflake Schema, Fact/Dimension Modeling, ER Diagrams, Dimensional Modeling
- **Version Control:** Git, GitHub, GitLab
- **Security & Compliance:** IAM, KMS, RBAC, Secrets Manager, GuardDuty, Defender for Cloud
- **Methodologies:** Agile, Scrum, ITIL

Professional Experience

Tata Consultancy Services

Role: Cloud Support Engineer

Feb 2022 – Feb 2024 | Hyderabad, India

Key Contributions:

- Supported hybrid cloud environments by provisioning and maintaining AWS and Azure resources using Terraform and ARM templates.
- Developed automation scripts to manage EC2 instances, storage lifecycle policies, and backups, reducing manual operations by 40%.
- Configured multi-region S3 buckets with versioning and encryption; managed access with IAM policies and roles.
- Deployed cloud-native applications with Docker and Kubernetes (EKS/AKS), ensuring availability and scalability.
- Implemented robust monitoring pipelines using CloudWatch Logs, Azure Log Analytics, and Prometheus.
- Collaborated with DBAs to enforce RDS snapshot policies and automated recovery procedures.
- Worked with Security teams to conduct cloud audits and close non-compliance gaps (CIS Benchmarks).
- Authored runbooks, incident response SOPs, and knowledge base articles for Tier-1 teams.

Accenture

Role: Cloud Engineer

June 2021 – Jan 2022 | Hyderabad, India

Key Contributions:

- Implemented Terraform modules for provisioning compute, storage, and networking resources on AWS and Azure.
- Supported application modernization by migrating monolithic services to containerized microservices on Azure Kubernetes Service (AKS).
- Built interactive dashboards using Power BI to track infrastructure KPIs such as uptime, costs, and alerts.
- Participated in designing data models for reporting warehouses using star and snowflake schemas.
- Created and maintained documentation for DevOps processes, cloud policies, and security configurations.
- Assisted in setting up Azure Monitor and Application Insights for full-stack observability.
- Involved in business continuity planning, implementing cross-region disaster recovery mechanisms.

Education

Postgraduate Diploma in Cloud Computing

Loyalist College (Expected 2025)

B.Tech in Electrical and Electronics Engineering

Lovely Professional University (2017 – 2021)

Projects & Contributions

1. Static Website Hosting on GCP using Terraform

- Deployed a personal portfolio website on GCP Cloud Storage with HTTPS using Google Load Balancer.
- Managed DNS routing with Google Cloud DNS and IAM configurations to control access.
- Delivered complete documentation on GitHub with architecture diagrams and setup instructions.

2. Multi-Cloud Monitoring Dashboard with Prometheus & Grafana

- Created a real-time monitoring dashboard that aggregates metrics from AWS CloudWatch, Azure Monitor, and GCP Operations Suite.
- Implemented alert routing to Slack/MS Teams and weekly performance reports for stakeholders.
- Used Helm to deploy Grafana with persistent storage and OAuth-based access control.

3. Infrastructure Cost Optimization Audit

- Conducted resource usage analysis and rightsizing exercise across AWS and Azure environments.
- Helped save ~\$5,000 annually by identifying idle resources, eliminating redundant backups, and using Spot Instances.

Soft Skills & Achievements

- Strong written and verbal communication with internal and external stakeholders.
- Recognized for adaptability and problem-solving in high-paced environments.
- Demonstrated ownership of cloud support processes with attention to detail.
- Contributed to documentation, reporting, and client onboarding initiatives.