# Chetan Khobragade

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## Professional Summary

A Senior Cloud Engineer with 4+ years of experience in designing, deploying, and managing cloud infrastructure across GCP. 5x GCP Certified. Skilled in Python and Terraform to build automated, scalable, and secure cloud solutions. Good understanding of AWS and Azure services. Adept at implementing DevOps and SRE practices to drive scalability, security, and cost efficiency.

## Skills

**Programming Languages:** C++, C, Java, Python, SQL

**Primary Technologies & Tools:** Google Cloud Platform(GCP), AWS, Azure, Terraform, Kubernetes, Virtual Machines, Databases, Unix, Linux, CentOS, Debian, Windows, Gitlab CI/CD, Bash, Git/Github/Gitlab, Docker

**IT Skills and Other Tools:** CI/CD Pipelines, DevOps, Strong Communication, Monitoring & Logging, JSON, Networking, Containerization, Autoscaling, System Administration, Automation, Scripting, IAM, Confluence, Vault, Backup and Recovery, DR, Slack, Cloud Functions, Cloud Storage, EC2, Bitbucket, Jenkins, Ansible, GKE, Load Balancers, Active Directory, WordPress, YAML, MySQL, PostgreSQL, Cloud Build, Prometheus, Grafana, MacOS, RHEL, PowerShell

## Experience

**Senior Cloud Reliability Engineer**                                            *Pune, Maharashtra*
*Searce Inc*                                                                *September 2021 – Present*

- **Promoted from Cloud Engineer to Senior Cloud Reliability Engineer** for outstanding performance and contribution in cloud managed services across APAC.
- Automated GCP resource provisioning using Terraform and Cloud Functions, cutting provisioning time by 70%.
- Built CI/CD pipelines using Cloud Build and Terraform, reducing deployment time from hours to 15 minutes.
- Reduced compliance violations by 50% via automated security audits using GCP Security Command Center.
- Achieved 100% security compliance and reduced GKE cluster vulnerabilities by 40%.
- Designed IAM policy structure, reducing over-permissioned roles by 25%.
- Rightsized Compute Engine resources and implemented committed use discounts, saving 20% in costs.
- Automated alerting/monitoring via Stackdriver, reducing MTTR by 50% and incidents by 20%.
- Enabled CMEK for BigQuery and GCS, securing 100% of sensitive data.
- Implemented multi-regional GCP setups with global load balancers, achieving 99.99% uptime.
- Transitioned 80% of cold data to Coldline/Archive, saving $10,000/year.
- Mentored junior engineers and led incident management end-to-end.

**Associate Software Engineer - Trainee**                                    *Bangalore, Karnataka*
*Torry Harris Business Solutions*                                              *May 2021 – Sept 2021*

- Worked as a GCP Data Engineer and help building data pipeline solutions for the Europe Big Telecom company.
- Worked on Dataflow Apache Beam, Python, SQL, GCS, BigQuery Experience in Composer Airflow , Terraform, GCP, Cloud Function, VPC
- Designed, Developed and Deployed 2 architecture on Google Cloud Platform within a month.

## Education

**Rajiv Gandhi College Of Engineering, Research & Technology**                      *2016 – 2020*
- B.E. in Computer Technology                                              *Chandrapur, Maharashtra*

## Projects

**Finance Client / Searce**

- Innovatively created a custom solution that have permissions like create, update, and modify except deletion of resources.
- Established an efficient automation process for generating monthly reports on GCP snapshots using **Python client libraries**

**Insurance Client / Searce**

- Automated the infrastructure provisioning using Terraform and Atlantis tool
- Automated the process of upgrading the nginx MIG instance on GCP
- Setting up alerting and monitoring
- Maintained Organizational policies to run business with compliance

**Telecom Client / THBS**

- Loading of different batch feeds into BigQuery using Cloud Composer and Dataflow Jobs
- Creating tables in BigQuery through Json and SQL DDLs
- Created Python scripts and DAGs to automate the task as per requirements.
- Automated the deployment pipeline setup through Gitlab's CD

## Certifications and Licenses

- **[GCP Certified Professional Cloud Architect](#) ↗, Google Cloud**, (Feb 2021 - Feb 2027)
- **[Terraform Associate (003](#) ↗, HashiCorp**, (Sept 2024 - Sept 2026)
- **[CKA - Certified Kubernetes Administrator](#) ↗, The Linux Foundation**, (Jan 2025 - Jan 2027)
- [GCP Professional Security Engineer](#) ↗, Google Cloud, (Apr 2024 - Apr 2026)
- [GCP Certified Associate Cloud Engineer](#) ↗, Google Cloud, (Dec 2020 - Dec 2026)
- [GCP Certified Professional DevOps Engineer](#) ↗, Google Cloud, (Jan 2022 - Jan 2026)
- [GCP Cloud Digital Leader](#) ↗, Google Cloud, (Oct 2022 - Oct 2025)
- [Microsoft Certified: Azure Fundamentals](#) ↗, Azure, (Dec 2021)
- [Aviatrix Certified Engineer - Multi-Cloud Network Associate](#) ↗, Aviatrix, (Oct 2021 - Oct 2025)

## Achievements

- **Critical GKE Upgrade with Zero Downtime**
  Led a critical upgrade for a production GKE cluster that was three versions behind the control plane and unsupported by newer Kubernetes versions. The outdated application posed a risk of complete downtime and incompatibility. Despite numerous challenges, I designed and executed a phased upgrade strategy, ensuring zero downtime during business hours. **Received customer appreciation for the seamless and risk-mitigated execution**.

- **Employee of the Month – June 2022**
  Awarded for designing and implementing a custom GCP solution that prevented accidental deletion of critical resources, allowing users to create, update, and insert resources but blocked deletion operations - effectively safeguarding critical infrastructure.

- **Security Vulnerability Remediation & Cluster Hardening**
  Remediated critical security vulnerabilities in customer environments and deployed hardened GKE clusters aligned with best practices, earning client appreciation for security posture improvement.