

# SHIVAM PATERIYA

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## PROFESSIONAL SUMMARY

Cloud-native **DevOps & SRE Engineer** with 3.10+ years of hands-on experience designing, automating, and scaling infrastructure across **AWS and GCP**. Proven ability to handle production-grade workloads, incident response, and infrastructure as code (IaC) in mission-critical environments. Adept at leveraging a broad range of AWS services — from compute, networking, and storage to streaming and security to build reliable and observable systems. Currently supporting the **Cisco Webex** platform, managing global-scale infrastructure. Frequent speaker, mentor, and contributor to the DevOps community.

## PROFESSIONAL EXPERIENCE

### DevOps and SRE : Capgemini

12/2023 to Present

- Building persistent, scalable infrastructure on AWS for **Cisco Webex**, using services like EC2, VPC, ALB, IAM, RDS, Route 53, SSM, MSK, SNS, Cloudwatch, etc.
- Automated infrastructure deployments in disconnected/air-gapped environments with Terraform and Ansible, reducing manual work by 80%.
- Managing production systems including Kafka, AWS MSK, RabbitMQ, Cassandra, and Vault with a focus on reliability, scalability, and security.
- Leading incident response and on-call operations; resolving high-priority issues and implementing long-term fixes through root cause analysis.
- Migrated legacy Python-based infrastructure to modular Terraform stacks for improved reusability and maintainability.
- Set up observability pipelines using Prometheus, Grafana, and CloudWatch to track Service-Level Indicators (SLIs) and Service-Level Objectives (SLOs), and improve system reliability.
- Collaborating with cross-functional teams and mentoring juniors to drive DevOps best practices and architectural improvements

### DevOps Engineer Nashtech

11/2021 to 11/2023

#### Meter Data Lake

- Spearheaded the design, upgrade, and maintenance of the Data Lake. Built and maintained data lake infrastructure using **Terraform on GCP**. Automated ingestion workflows reduce manual work and improve data reliability.
- Managed **KDB time-series DB**, with custom debugging and performance tuning.
- Deployed monitoring and alerting systems aligned with SRE best practices.

#### Leaderboard (Role: DevOps Engineer)

- Developed PROD & QA environments using Terraform and GCP, ensuring seamless deployment.
- Designed and implemented CI/CD pipelines for multiple microservices using GitActions.
- Orchestrated the migration of the H2 embedded database to Postgres, optimising database performance.
- Applied cost optimisation best practices on GKE, resulting in significant cost savings.

- Set up and configure tools such as Keycloak, Apache Superset, and RabbitMQ.
- Successfully migrated the Prod cluster to a new cluster, ensuring minimal downtime

### DevOps Audit (Role: DevOps Auditor)

- Developed "Audit as a Service" to improve DevOps process transparency.
- Designed and implemented a **DevOps Maturity Model** for internal teams.
- Automated quality gates and restructured the audit question bank for better clarity and effectiveness.

## SKILLS

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| • <b>Orchestration Tools:</b> Kubernetes, Docker               | • <b>Logging &amp; Monitoring:</b> Prometheus, Grafana, Cloud Watch |
| • <b>Cloud Platforms:</b> AWS, GCP                             | • <b>CI/CD:</b> Jenkins, GitHub Actions                             |
| • <b>Operating Platforms:</b> Ubuntu, RHEL, Windows            | • <b>Other Tools:</b> Terraform, Kafka, Vault                       |
| • <b>SCM:</b> Github, Gitlab                                   |   |
| • <b>Configuration Management:</b> Ansible                     |   |
| • <b>Languages:</b> Shell, , Python                            |   |
| • <b>Databases:</b> MySQL, MongoDB, Postgresql, RDS, Cassandra |   |

## EDUCATION

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MASTER OF COMPUTER APPLICATION	2020-2023
<b>Banarsidas Chandiwala Institute of IT, GGSIPU</b>	
<ul style="list-style-type: none"><li>• Dissertation in Cloud and Automation</li></ul>	
BACHELOR OF COMPUTER APPLICATION	2017-2020
<b>Institute of Management and Entrepreneurship Development (IMED), BVP</b>	

## CERTIFICATIONS & HIGHLIGHTS

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- Google Cloud Professional DevOps Engineer
- Ranked 43/7000+ in Google Cloud x MLB Data Challenge 2024
- Speaker on DevOps & Cloud at college fests and tech sessions