

# Shivendra Kumar

## Cloud & DevOps Engineer

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### Profile:

A proficient and reliable professional with a strong understanding of Cloud and DevOps domains. Currently working as a Cloud & DevOps Engineer at **Cricbuzz**, with a demonstrated track record of performance in deliverables. Notable traits include resilience, quick learning, and a performance-driven attitude. Adept at using technical and soft skills along with team collaboration to develop and optimize existing solutions.

### Core Skills:

- **Cloud Infrastructure:**
  - **GCP:** Compute (Compute Engine, Kubernetes Engine), Storage (Cloud Storage), Analytics (BigQuery, Pub/Sub), Networking (VPC network), Serverless (Cloud Functions), Databases (SQL, Firestore, Redis Enterprise), Operations (Logging), Management (IAM & Admin, Billing).
  - **AWS:** EKS, EC2, VPC, S3, Site to Site VPN, IAM, ECR, CloudWatch, RDS, ElastiCache, KMS, Route53, CodeArtifact, Load Balancer.
- **Languages:** Python, Bash/Shell Scripting
- **DevOps Tools:** Git, GitLab, CircleCI, Jenkins, Terraform, Ansible, Ansible Tower, Istio Service Mesh, Grafana, Prometheus, Velero, Spot.io, Datadog, Traefik, Nexus repository, Helm
- **Containerization Tools:** Docker, Kubernetes, OpenShift
- **Project & Collaboration Management:** Jira, Confluence
- **IDEs:** Visual Studio, Eclipse
- **Operating Systems:** Windows, Linux (CentOS, Debian, Ubuntu), MacOS
- **Virtualization Platforms:** Hyper-V
- **Soft Skills:** Effective communicator, team player, mentoring, managing teams, strong work ethics, willingness to learn

### Trainings & Certifications:

- HashiCorp Certified: Terraform Associate (002)
- AWS Cloud Solutions Architect Professional Certificate (Coursera)
- Certified Kubernetes Administrator (KodeKloud Training)
- Certified Kubernetes Application Developer (KodeKloud Training)

### Work Experience:

#### Senior Cloud Engineer, Cricbuzz.com (Times Internet Limited) (Apr 2023 - Present)

- Designed and built **VPC, EKS, ECR, ElastiCache (Redis caches), IAM & Policy** services on AWS for both staging & production environments using **Terraform**.

- Developed a **Python script** to automate the migration of Docker images from **Nexus repository to AWS ECR**.
- Deployed **cluster autoscaler & metrics server** on EKS using Terraform for efficient cluster management & scaling.
- Built a complete **CI/CD** pipeline for Kubernetes using **CircleCI & Helm**, leveraging **OpenID Connect** for job authentication with AWS.
- Created a **shell script** for backing up images from ECR to S3.
- Managed the migration of services from IBM Cloud to AWS, including establishing a **site-to-site VPN** tunnel.
- Conducted POC evaluations on various Artifactory repositories, aiding in the migration decision from self hosted Nexus to AWS ECR and CodeArtifact.
- Automated project migration from GitLab to GitHub using shell scripts.
- Troubleshoot issues in development, staging, and production environments related to **MongoDB, GlusterFS**, etc.

#### Senior Engineer, Falabella India (Jan 2022 - Apr 2023)

- Designed, built, and managed secure and scalable infrastructure using IaC (Terraform).
- Optimized GCP costs through **spot.io managed nodes, Datadog logs migration**, and resource usage optimization(cpu & memory)
- Upgraded GKE clusters and Istio versions with no downtime, implementing spot.io for workload management.
- Implemented **workload identity** in the GKE cluster to improve service account management and streamline access to Google services.
- Migrated Helm v2 to v3 for microservices and assisted team members.
- Managed GCP resources and IAM via Terraform.
- Developed Kubernetes jobs for cost-saving instance management.
- Automated CI/CD pipelines with GitLab.
- Implemented and deployed **Velero, Grafana, Prometheus, and Datadog**.
- Configured Istio/Envoy configurations for **service mesh and sidecar proxy**.

#### System Engineer II, Oracle Cerner (Apr 2021 - Jan 2022)

- Modified **Ansible playbooks** for Windows server Sentinel agent installation.
- Automated SQL Server patching and Splunk installation using Ansible.
- Developed shell scripts for **MongoDB backup** and Python script for Splunk URL monitoring.
- Managed Docker containers and OpenShift clusters.
- Deployed **StackStorm HA** clusters and resolved persistent volume issues.

#### Member - Learning & Development, Infosys Limited (Dec 2017 - Apr 2021)

- Developed Ansible playbooks for automation tasks and integrated with Jenkins.
- **Automated backup processes** and **database management** using **Ansible and Jenkins**.
- Created Docker containers for IAP(Infosys Assessment Platform) and application deployment in Kubernetes.
- **Trained professionals(200+) & College graduates(2000+)** in Docker, Kubernetes, Openshift, Python, and Red Hat Enterprise Linux in ETA(Education & Training Assessment)

#### Awards & Recognition:

- **"Outside the Box Thinker"** award from team lead at Falabella India.
- **"Great Job" & "Superstar"** awards from team manager at Falabella India.
- Recognized in Cerner Corporation's **Associate Point Awards program** for commitment and delivery.
- Positive client feedback for automation tasks at Infosys.

#### Education:

**Languages:**

- **English – Fluent**
- **Hindi – Native**