

Chirag Sharma

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Summary

DevOps Engineer with 3+ years delivering secure, scalable AWS platforms for regulated, high-availability workloads. Builds and runs CI/CD (Jenkins/GitLab CI) for containerized services on Kubernetes/EKS automates infrastructure with Terraform/Ansible and Python/Bash. Operated HA PostgreSQL estates (Patroni, pgBackRest) with a cross-region DR solution automated backups/archives to S3, Replica promotion, and DNS failover backed by observability (Prometheus, Grafana, ELK). Improved release stability and recovery; experienced with cost- and compliance-aware designs. Exploring ML/AI to enhance automation and incident detection.

Technical Skills

- **Cloud Platforms:** AWS, GCP
- **Infrastructure as Code:** Terraform, CloudFormation
- **Containerization:** Docker, Kubernetes, Podman
- **Programming/Scripting:** Python, Shell Scripting
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Configuration Management:** Ansible
- **Versioning Tools:** Git, Bitbucket
- **Observability:** Zabbix, Prometheus, Grafana, AWS CloudWatch, Rancher, Graylogs
- **CI/CD Tools:** Jenkins, GitLab CI, AWS DevOps Pipeline Services (CodeBuild, CodeDeploy, CodePipeline), Argo CD
- **AMI Creation:** HashiCorp Packer
- **Orchestration & Automation:** Helm Charts
- **Operating Systems:** Linux, Windows

Experience

Software Engineer - DevOps | 07/2023 - Present | Worldpay Pvt Ltd. | Pune, MH

- Designed scalable and cost-efficient AWS infrastructure using Terraform and CloudFormation across production and staging accounts.
- Developed automation scripts in Bash, Python, and Ansible to eliminate repetitive administrative tasks and ensure consistent infrastructure provisioning.
- Implemented robust CI/CD pipelines using Jenkins CI, streamlining application deployments with built-in rollback mechanisms.
- Deployed and managed containerized microservices using OpenShift authored Kubernetes YAML files for deployment and rollout strategies.
- Led the design and implementation of a PostgreSQL disaster recovery solution using Patroni, pgBackRest, PgBouncer and HAProxy with multi-region replication.
- Automated the migration from Amazon Linux 2 to RHEL 9, building secure and optimized base AMIs with hardened configurations.

DevOps Engineer | 07/2022 - 07/2023 | SquareOps Technologies | Gurugram, HR

- Built and maintained Kubernetes clusters using both Amazon EKS and self-hosted K3s/Kubeadm setups to support internal and client facing microservices.
- Designed and implemented CI pipelines using AWS CodePipeline, CodeBuild, and Jenkins deployed applications via Argo CD and Helm charts.
- Installed and managed Jenkins and ArgoCD using Helm and Helmfile within custom Kubernetes pods to maintain GitOps-based delivery.
- Integrated a complete observability stack using Prometheus, Grafana, and Loki, with alerting configured for resource bottlenecks and pod-level failures.
- Evaluated and deployed modern DevOps tools such as Rancher, Karpenter, Istio, and SonarQube; contributed to decisions around service mesh and autoscaling strategies.
- Developed internal tools and REST APIs using Django REST Framework to streamline team operations and automate data collection.

Certification

- [AWS Certified Solution Architect - Associate](#)
- [Hashicorp Certified Terraform Associate](#)
- [AWS Certified Cloud Practitioner](#)
- [IBM Docker Certified](#)
- [Introduction to GitOps - The Linux Foundation](#)
- [IBM Cloud Certification](#)

Education

- Bachelor of Engineering (Computer Engineering) — University of Mumbai, Mumbai, India | CGPA: 8.1/10 | 2022
- Wrote a research paper in **IEEE Xplore Conference** on **Yoga Pose Detection** using **Posenet** and **KNN**
- Wrote a research paper in **UGC Care Journal 2022** on **Accident and No Accident Detection** using **CNN**