HARSH JAISWAL

Nagpur, India 440019 • 7558354182 • harsh_jaiswal1@outlook.com

SUMMARY

DevOps Engineer with 1 year of internship experience at Hisan Labs Private Limited, focusing on CI/CD automation, container orchestration, and cloud infrastructure. Skilled in building pipelines with Jenkins, deploying workloads on Kubernetes, and managing infrastructure with Terraform. Enthusiastic about applying DevOps practices to deliver scalable and reliable solutions

PROJECT EXPERIENCE

- Proficient in Git on Linux: branching, merging, tagging, repository setup, and permissions management.
- Hands-on with version control operations for facilitating code releases across environments.
- Designed and deployed EC2, S3, VPC, ELB, Auto Scaling, RDS, ECS, ECR solutions, achieving 99.9% uptime and reducing infra costs by 20%.
- Implemented S3 Cross-Region Replication (CRR) and lifecycle policies, improving data durability and backup reliability while reducing manual effort by 40% and storage costs by 25%.
- Architected fault-tolerant systems with ELB, Auto Scaling, AMIs, and EBS, ensuring high availability and cost optimization by 20%.
- Designed and deployed an end-to-end, multi-tier application architecture on AWS using IAM, S3, EC2, AMI, EBS, VPC, ELB, Auto Scaling Groups, CloudFront, and Route 53, integrating two separate applications with isolated back-ends (DynamoDB & RDS), mapped to distinct target groups — resulting in improved scalability, fault-tolerance, and 99.9 % application uptime.
- Containerized apps with Docker (images, containers, multi-stage builds, registry pushes), reducing environment inconsistencies by 45%
- Installed & configured Jenkins (master-slave, plugins, security), improving build automation efficiency by 35%
- Automated artifact creation with Maven → Tomcat deployments, cutting manual deployment errors by 30%..
- Built CI/CD pipelines (Jenkins & GitLab CI/CD), reducing deployment time by 40% and increasing release frequency by 50%
- Automated infra provisioning with Terraform on AWS, reducing configuration drift and manual errors by 30%.
- Designed Terraform modules to dynamically filter AZs based on instance type support and fetch the latest AMIs, enabling secure, optimized, and fully automated deployments.
- ·Implemented VPC peering between cross-region VPCs using Terraform, configuring separate provider blocks to manage resources in different AWS regions efficiently.
- Managed cluster scheduling and scaling using HPA, taints/tolerations, node affinity/selectors, and pod resource requests/limits, improving workload efficiency and cluster utilization by 35%.
- Deployed and maintained DaemonSets, static pods, and rolling updates, ensuring high availability and centralized logging, reducing downtime by 40% and log management overhead by 30%.
- Leveraged in-depth knowledge of worker node components (Kubelet, Kube-Proxy, Container Runtime) to improve cluster reliability and reduce operational issues by 25%
- Automated monitoring and alerting by configuring Datadog Monitors via Jenkins and building comprehensive dashboards for API performance, latency, and error tracking—enabling real-time visibility, proactive issue resolution, and reducing MTTR by 30%.

EDUCATION

Bachelor of Physical Education **June 2020 - July 2023**

ADDITIONAL INFORMATION

- **Technical Skills: Version Control - Git , Github | CI/CD – Jenkins Operating System – Linux (Ubuntu, Centos) | AWS – VPC, NAT-Gateway, Vpc-Peering, EC2, ELB, Auto-Scaling, S3, RDS, Dynamo-DB, Route- 53, IAM | Web Server – Apache, Tomcat, Nginx | Databases - MySQL, NOSQL | Infrastructure-Terraform | Log Monitoring – Datadog | Containerization & Orchestration- Docker, Kubernetes.**
- **Certifications: AWS Certified Cloud Practitioner**
- **Projects Link: https://github.com/harsh-jaiswal-21/**
- **Languages: English, Hindi , Marathi**