

SYED KASHIF ALI

DevOps Engineer | Cloud Infrastructure

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PROFESSIONAL SUMMARY

Motivated fresher and DevOps Engineer with a strong foundation in Cloud Infrastructure and hands-on project experience in CI/CD pipeline design, containerization, Kubernetes orchestration, configuration management, and AWS deployments. Proficient in Jenkins, Kubernetes, Docker, Terraform, Ansible, and Argo CD, with practical exposure to AI/LLM integration via Amazon Bedrock. Eager to contribute to a DevOps or Cloud Engineering team and deliver scalable, reliable infrastructure solutions.

TECHNICAL SKILLS

Cloud Platforms	AWS (EC2, S3, IAM, VPC, EBS, RDS), Oracle Cloud Infrastructure, GCP, Azure
DevOps & Orchestration	Jenkins, Docker, Kubernetes, Argo CD, Helm, Terraform, Ansible
Monitoring	Prometheus, Grafana, Alertmanager, Datadog, Node Exporter, cAdvisor
Languages & Scripting	Bash, YAML, SQL, Python (basic)
Version Control	Git, GitHub, GitLab
Tools	Jira, Postman, REST APIs, kubeadm, Ansible Vault
Concepts	CI/CD, GitOps, IaC, RBAC, Microservices, Cloud Security, HPA, Ingress

PROJECTS

MCP Server + Claude AI (Amazon Bedrock)

Docker · AWS EC2 · REST API · Amazon Bedrock

- Developed an MCP server enabling secure communication between tools and Claude AI models via Amazon Bedrock.
- Implemented prompt orchestration, context handling, and structured API responses.
- Designed REST APIs with authentication and validation mechanisms.
- Containerized the application using Docker and deployed on AWS EC2 for production-grade scalability.
- Ensured system reliability through logging, error handling, and comprehensive API testing.

CI/CD & GitOps Pipeline

Jenkins · Kubernetes · Argo CD · Ansible · Prometheus · Grafana

- Designed end-to-end CI/CD pipelines using Jenkins for automated build, test, and deployment workflows.
- Integrated GitHub webhooks to trigger pipelines on code commits and manage versioned releases.
- Deployed containerized applications on Kubernetes clusters for orchestration and scalability.
- Implemented Argo CD for GitOps-based continuous delivery and automated synchronization.
- Monitored application health using Prometheus and visualized system metrics via Grafana dashboards.

AWS Infrastructure with Terraform

Terraform · EC2 · S3 · IAM · VPC · Docker

- Provisioned AWS resources (EC2, S3, IAM, VPC) using modular, reusable Terraform configurations.
- Implemented Infrastructure as Code (IaC) for scalable, repeatable, and version-controlled deployments.
- Configured IAM roles, policies, and security groups to enforce least-privilege cloud security.
- Deployed Docker workloads on EC2 instances and validated system performance using CLI tools.

Kubernetes Cluster Setup & Management

Kubernetes · kubectl · Helm · RBAC · Ingress · HPA

- Provisioned a multi-node Kubernetes cluster from scratch using kubectl on AWS EC2 (1 master, 2 worker nodes).
- Configured pod networking with Flannel CNI plugin and validated cross-node communication.
- Deployed microservices using Helm charts with environment-specific value overrides for dev and prod.
- Implemented Role-Based Access Control (RBAC) with namespaced service accounts and least-privilege policies.
- Set up NGINX Ingress controller for external traffic routing and SSL termination.
- Configured Horizontal Pod Autoscaler (HPA) based on CPU and memory metrics for dynamic scaling.
- Managed persistent storage using PersistentVolumes and PersistentVolumeClaims backed by AWS EBS.

Ansible Configuration Management & Automation

Ansible · YAML · Linux · AWS EC2 · Ansible Vault

- Authored modular Ansible playbooks to automate server provisioning, package installation, and OS hardening across multiple EC2 instances.
- Organized infrastructure roles for web server (Nginx), application server, and database server with reusable role structures.
- Used Ansible Vault to securely manage secrets, SSH keys, and environment-specific credentials.
- Implemented dynamic inventory using the AWS EC2 plugin to automatically discover and target cloud instances.
- Automated zero-downtime application deployments using a rolling update strategy with health-check handlers.
- Reduced manual server configuration time by over 80% through fully automated playbook execution.

Linux Administration & Shell Scripting

Linux · Bash · Cron · systemd · SSH

- Performed user and group management, file permission hardening, and SSH key-based authentication setup on Ubuntu servers.
- Wrote Bash scripts for automated log rotation, disk usage alerting, and service health monitoring via cron jobs.
- Managed system services using systemd, created custom service units, and configured auto-restart policies.
- Monitored system performance using top, htop, vmstat, and iostat; resolved CPU and memory bottlenecks.
- Configured firewall rules using UFW/iptables and implemented Fail2ban for brute-force protection.

Monitoring & Alerting Stack

Prometheus · Grafana · Alertmanager · Node Exporter · Datadog

- Deployed a full observability stack: Prometheus for metrics collection, Grafana for dashboards, and Alertmanager for alert routing.
- Configured Node Exporter and cAdvisor to collect host-level and container-level metrics from Kubernetes nodes.
- Built custom Grafana dashboards for CPU, memory, pod health, request latency, and error rate visualization.
- Defined Alertmanager routing rules to send critical alerts to Slack and email with severity labels.
- Integrated Datadog agent for cloud-native APM, log aggregation, and infrastructure monitoring across AWS services.

CERTIFICATIONS

AWS Well-Architected Proficient	Amazon Web Services
Claude in Amazon Bedrock	Amazon Web Services
Oracle Cloud Infrastructure 2025 Certified Foundations Associate	Oracle
LFS101: Introduction to Linux	The Linux Foundation
AWS Cloud Practitioner Essentials	AWS Skill Builder
AWS Cloud Quest	Amazon Web Services

EDUCATION

Bachelor of Computer Application

2022 – 2025

Savitribai Phule Pune University, Pune · CGPA: 8.3 / 10

Higher Secondary (12th Grade)

2022

Maharashtra State Board, Beed · 74%