

# Umesh S

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## Summary

A Senior DevOps Engineer, around 6 years of experience in designing, automating, and optimizing end-to-end software delivery pipelines across cloud, enterprise, and AI-driven platforms. Proven expertise in building CI/CD pipelines with Jenkins integrating SonarQube for automated code quality checks, and enabling secure application delivery with TLS/HTTPS using Let's Encrypt. Skilled in deploying applications across multi-cloud (AWS/Azure/Orange Cloud), driving scalability, security, and cost optimization for diverse environments. Experienced in managing containerized applications with Docker and strong knowledge on Kubernetes, Terraform Certified, container orchestration practices to enable scalability and resilience. Adept at implementing GitOps workflows for streamlined deployments.

## Technical Skills

<b>CI/CD Tools:</b>	Git, Jenkins, SonarQube, Azure DevOps, GitHub Actions, GitLab CI/CD
<b>Containers/Orchestration:</b>	Docker, Docker Compose, Docker Swarm, Kubernetes
<b>Cloud Platforms:</b>	AWS, Azure, Orange Cloud
<b>DevOps Tools:</b>	Nginx, Apache, Tomcat
<b>Infrastructure as Code (IaC):</b>	Terraform (Certified), Helm
<b>Monitoring &amp; Observability:</b>	Prometheus, Grafana, Zabbix, OpenTelemetry
<b>Streaming &amp; Queueing Systems:</b>	Kafka, AKHQ, MongoDB, RabbitMQ
<b>Operating Systems:</b>	Linux (Ubuntu, Mint, Parrot OS), Windows (7/10/11/Server)
<b>Hypervisors:</b>	VirtualBox, Hyper-V, VMware
<b>Programming &amp; Scripting:</b>	Bash, Python
<b>Certifications &amp; Tools:</b>	HashiCorp Certified: Terraform Associate · Linux Foundation: OpenTelemetry, GitOps

## Core Competencies

- CI/CD Pipeline Development - Hands-on experience with design and implementation of robust Continuous Integration/Continuous Deployment (CI/CD) pipelines using tools like Jenkins, GitLab CI, GitHub.
- Hybrid Infrastructure Management & Cloud Platforms - Extensive experience managing on-premises infrastructure as well as multi-cloud environments, including Orange Cloud, AWS, and Azure. Strong expertise in Kubernetes deployment and operations across hybrid setups, with a focus on scalability, reliability, and performance optimization.
- Containerization & Orchestration - Skilled in using Docker to package applications and Kubernetes to run and manage them at scale. Experienced with Helm charts for easier Kubernetes deployments and tuning workloads for better performance and resource efficiency.
- Monitoring & Observability - Good working knowledge of monitoring tools like Prometheus, Grafana, and Zabbix. Experience in setting up dashboards, alerts, and metrics to keep systems healthy and identify issues quickly.
- Automation & Scripting - Strong hands-on experience writing scripts in Bash and Python to automate repetitive system tasks, simplify server management, and reduce manual work. Created scripts for deployments, monitoring, log rotation, backups, and system cleanup.
- System Reliability & Performance Tuning - Built and maintained systems that stay up and running even during high traffic or hardware issues. Worked on load balancing, auto-scaling, and fail over setups to keep applications fast and reliable. Participated in incident response when things went wrong.
- Cross-functional Collaboration - Worked closely with developers, QA engineers, and other teams to make sure systems run smoothly.
- Leadership & Mentorship - Led DevOps projects and helped guide team decisions. Mentored junior engineers by sharing knowledge, reviewing their work, and promoting DevOps culture.

## Experience

### Avlino

Oct 2024 - Present

Senior DevOps Engineer

Bengaluru

- Spearheaded DevOps initiatives supporting AI/ML product lines, ensuring high availability and scalability of cloud-native applications.

- Designed and implemented CI/CD pipelines using Jenkins to automate build, testing, and deployment across Kubernetes clusters.
- Managed infrastructure using Kubernetes, Docker, Helm, and Terraform, reducing deployment time and improving consistency across environments.
- Built an observability stack with Prometheus and Grafana to enable real-time monitoring, logging, and alerting.
- Collaborated with development and data science teams to optimize workflows, enhance security, and ensure compliance with enterprise standards.

## Teleperformance (Majorel India)

Sep 2021 - Sep 2024

Senior DevOps Engineer

Bengaluru

- Delivered DevOps solutions for global customer experience platforms, ensuring 24/7 uptime and secure cloud operations.
- Designed and maintained CI/CD pipelines across microservice-based applications, reducing deployment risks and accelerating delivery.
- Managed Kubernetes clusters and automated infrastructure provisioning using Terraform and Helm.
- Implemented centralized monitoring and logging with Zabbix, improving incident detection and resolution.
- Collaborated with cross-functional teams to enhance scalability, reduce cloud costs, and support seamless releases in multi-cloud setups (AWS/Orange cloud).

## Pratian Technologies (India) Pvt Ltd

Jan 2020 - Sep 2021

DevOps Engineer

Bengaluru

- Built and maintained CI/CD pipelines with Jenkins, integrating SonarQube for automated code quality checks to ensure secure and reliable deployments.
- Delivered applications over HTTPS/TLS using Let's Encrypt, enabling faster, secure releases across Azure and AWS environments.
- Deployed Prometheus and Grafana to monitor performance and availability, improving visibility and reducing release risks.
- Proactively self-learned Kubernetes and suggested its adoption, driving discussions on scaling, containerization, and future-ready infrastructure.

## Projects

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### Aicon | Senior DevOps Engineer

Aicon is a smart port logistics platform designed to optimize terminal operations by automating container yard management (PortYard), fleet dispatch (PortDispatch), and berth scheduling (PortBerth). The platform addresses inefficiencies in cargo flow and equipment allocation, enabling real-time coordination between various port activities to reduce turnaround time and operational costs.

**Tech Stack:** Kubernetes, Jenkins (CI/CD), GitHub, Docker, Azure, Kafka, AKHQ, MongoDB

### Enliven | Senior DevOps Engineer

Enliven is a KYC and document processing platform focused on secure and scalable identity verification for enterprises. I deployed and managed the backend infrastructure, ensuring high availability and performance for document ingestion and processing workflows.

**Tech Stack:** Kubernetes, MySQL, GitLab CI/CD, Nginx, Ingress, Orange cloud, Azure, Let's encrypt, Docker

### Learning Cloud | DevOps Engineer

Learning Cloud is a browser-based online coding IDE platform designed to serve over 1 lakh concurrent users. I managed containerized infrastructure and implemented CI/CD pipelines and autoscaling to ensure seamless development and learning experiences for users.

**Tech Stack:** Docker, Jenkins, Docker Swarm, Git, Azure, MongoDB

### Petzy | DevOps Engineer

Petzy is a US-based pet healthcare platform offering digital vet consultations, records, and care management. I set up and managed the complete DevOps lifecycle, including infrastructure provisioning, deployment automation, and monitoring.

**Tech Stack:** Git, Jenkins, Docker Swarm, MongoDB, Nginx, Bash, Kubernetes, Docker, GitLab

## Licenses & Certifications

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- **HashiCorp Certified: Terraform Associate (003)** — Issued Aug 2025 · Expires Aug 2027  
Credential ID: 2c05e1f8-8dbe-478e-8737-e24e50380d62  
*Skills: Terraform, IaC, Terraform CLI, Terraform Cloud, Terraform Modules, Multi-Cloud*  
Verify badge
- **LFS148: Getting Started with OpenTelemetry** — Issued Aug 2025  
Credential ID: f98e3c3d-92a6-4ead-ae1d-9587f4a1f877  
*Skills: Observability, Prometheus, Distributed Tracing, OpenTelemetry*  
Verify badge
- **LFS169: Introduction to GitOps** — Issued Aug 2025  
Credential ID: 697ce02f-ad98-487b-94bc-7aeb55716b21  
*Skills: Argo CD, Continuous Delivery, Deployment Automation, Flux V2, GitOps*  
Verify badge

## Education

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**The Oxford College of Science**

**Jul 2015 – Jun 2018**

*Master of Computer Applications (MCA)*

**BES College**

**May 2012 – May 2015**

*Bachelor of Computer Science (BCA)*