

MALLIKARJUN S

Devops Engineer

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Professional Summary

DevOps Engineer with 5 years of experience in designing and implementing CI/CD pipelines, cloud infrastructure, and containerized deployment solutions across AWS and Kubernetes environments. Skilled in Infrastructure as Code (Terraform), automation, monitoring, and release management to enable scalable, secure, and highly available systems. Proven ability to bridge development and operations by improving deployment frequency, reducing failure rates, and enhancing system reliability through DevOps best practices and SRE principles.

SKILLS

CI/CD & DevOps Tools: Jenkins, GitLab CI, GitHub Actions

Cloud Platforms: Amazon Web Services (EC2, IAM, S3, RDS, Lambda, EKS, Route53, Load Balancer, CloudWatch)

Infrastructure as Code: Terraform, AWS CloudFormation (fundamentals)

Containers & Orchestration: Docker, Kubernetes, Amazon EKS

Version Control: Git

Monitoring & Observability: Prometheus, Grafana, ELK Stack, AWS CloudWatch

Scripting & Automation: Bash, Shell Scripting

Security & Compliance: IAM, Security Groups, Vulnerability Awareness, Cloud Security Best Practices

Operating Systems: Linux (RHEL/Ubuntu)

Work experience

Oracle Financial Services Software – Bengaluru

2018-10 - 2025-10

DevOps Engineer

- Designed and maintained enterprise-grade CI/CD pipelines enabling automated build, test, and deployment workflows.
- Managed CI/CD infrastructure including compute, storage, networking, and pipeline orchestration across on-prem and cloud environments.
- Automated application deployment using scripting and DevOps tooling to reduce manual effort and deployment failures.
- Implemented standardized internal tools and frameworks to streamline development and release processes.
- Ensured environment portability by building infrastructure-agnostic deployment workflows.
- Monitored application performance and system health using observability tools.
- Identified and resolved performance bottlenecks improving application response time and stability.
- Enhanced system scalability and uptime through proactive monitoring and automation.
- Implemented secure deployment practices aligned with organizational security standards.
- Supported application deployments for internal teams and external client environments.
- Trained development teams on CI/CD usage and DevOps best practices.
- Participated in architectural design reviews to ensure release readiness and deployment compatibility.
- Continuously evaluated emerging DevOps technologies and introduced improvements to existing pipelines.

Zenith Software Ltd

2014-08 - 2017-03

Software QC Engineer

- Contributed to end-to-end system, integration, and UAT cycles for multiple projects.
- Ensured thorough test coverage by linking traceability matrices to requirements.
- Conducted cross-browser and mobile testing using BrowserStack
- Assisted in documentation and knowledge transfer activities.

Zeal Encore Technologies

2014-01 - 2016-10

Software Tester

- Successfully executed API and database validation using Postman and SQL queries for insurance and e-commerce platforms.
- Collaborated in Agile sprints, participated in daily stand-ups, sprint planning, and retrospectives.
- Improved bug documentation process, reducing resolution time by 25%.

Project

Automation of Financial Services Cloud Applications:

- Designed and implemented a **CI/CD pipeline** for Java-based Financial Services Cloud applications using **Git, Jenkins, Maven, Docker, and Kubernetes** to streamline build, test, and deployment workflows.
- Supported **Kubernetes-based microservices deployments** in collaboration with cross-functional teams, ensuring high availability and strong performance monitoring with **CloudWatch** and **Prometheus**.
- Implemented Infrastructure as Code using **Terraform** to provision scalable, secure environments across multi-cloud platforms.
- Streamlined system provisioning, configuration, and monitoring with Ansible and AWS tools, enabling cost-effective and reliable infrastructure management.
- Led end-to-end troubleshooting of cloud infrastructure issues, restoring services quickly and minimizing downtime through strong diagnostic and problem-solving skills
- Improved operational efficiency by integrating automation and cloud-native practices that optimized resource utilization across environments
- Collaborated with development, QA, and release management teams to ensure **risk-free, compliant, and auditable CI/CD processes** aligned with financial industry standards.

End-to-End CI/CD & Kubernetes Deployment Automation

- Built a full CI/CD pipeline using **Jenkins, Maven, Docker, and Kubernetes** for automated build, test, and deployment workflows.
- Provisioned AWS infrastructure using **Terraform (IaC)**.
- Implemented Docker containerization and deployed workloads on Kubernetes (EKS)
- Integrated Prometheus & Grafana monitoring with alerting for proactive issue detection
- Applied **IAM policies and cloud security best practices** for secure deployments.
- Automated environment setup and application deployment using **Ansible**

Cloud Infrastructure Deployment:

- Supported deployment of applications in cloud-based environments ensuring portability.
- Implemented infrastructure aligned with scalability and resilience best practices.
- Automated provisioning and deployment workflows for cloud-hosted applications.
- Collaborated on secure access design including bastion-based connectivity.

CI/CD for Containerized Workloads:

- Integrated container build and deployment into CI/CD pipelines.
- Enabled environment consistency across development, staging, and production.
- Reduced deployment downtime through automated rollout strategies.

Education

Bachelor of Engineering

Bachelor of Engineering: Electronic and Communication
VTU - Belgaum, Belgaum

Achievements

- Global compliance certification
- Played a key role in the successful launches of 3 major software releases, ensuring timely and high-quality releases