

Vaibhav Karad

(+91) 775 6000 224 | karadhub@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

DevOps Engineer with 4+ years of experience specializing in cloud infrastructure and automation on GCP, AWS, and container platforms. Demonstrated ability to engineer scalable, secure environments using Kubernetes, Terraform, and CI/CD pipelines while ensuring high production reliability. Proven track record in optimizing system performance, reducing downtime, and streamlining incident response through automation and proactive monitoring.

EDUCATION

Birla Institute of Technology and Science, Pilani

2025

Master of Technology, Cloud Computing & Infrastructure

Tilak Maharashtra Vidyapeeth, Pune

2021

Bachelor of Computer Applications, computer science & software development

PROFESSIONAL EXPERIENCE

Wipro Limited (Lloyds Banking Group)

Aug 2024 - Present

DevOps Engineer

Airoli, Mumbai, Ind

- Optimized CI/CD infrastructure for critical builds across hybrid cloud environments, reducing build times by 20% and enhancing developer productivity.
- Engineered multi-environment pipelines on GCP and AWS, bolstering automation and reliability by 30% and accelerating feature delivery.
- Automated infrastructure provisioning using Terraform and Kubernetes, streamlining environment migrations and cutting change approval delays by 40%.
- Deployed and maintained MongoDB clusters using Helm, achieving 100% backup reliability and simplifying recovery processes.
- Resolved CI/CD pipeline and production issues using systematic root-cause analysis, reducing failures by 25% and bolstering system uptime.
- Managed cloud security components in GCP including Firewall, DDoS Protection, and Application Gateway reducing security incidents by 30% and ensuring secure production systems.
- Directed proactive monitoring initiatives by establishing key metrics and dashboards with Prometheus, Grafana, and GCP Monitoring for Kubernetes clusters, ensuring high availability and performance.
- Developed and communicated DevOps architecture and migration plans, improving deployment efficiency by 40% and reducing project timelines by 25%.
- Delivered 24/7 production support, expediting incident resolution by 30% through effective root-cause analysis and comprehensive documentation.
- Partnered with security teams to enforce DevSecOps best practices, mitigating vulnerabilities identified in VAPT assessments and enhancing overall security posture.

Wipro Limited (Best Buy Co. Inc.)

Nov 2021 - Aug 2024

Cloud Engineer

Mumbai, Ind

- Enhanced GKE-based build infrastructure, boosting deployment velocity by 40% for customer-facing applications.
- Streamlined Jenkins pipelines, reducing software build times by 30% and eliminating bottlenecks.
- Automated Dev/Test environment provisioning using Terraform and Ansible, accelerating environment setup and enhancing developer productivity.
- Optimized container build processes by developing reusable multi-stage Dockerfiles, reducing image sizes by 40% and expediting deployments.
- Resolved production deployment issues through systematic debugging and root-cause analysis, reducing incident resolution time by 20%.
- Collaborated with engineering teams to deploy new features with end-to-end reliability, achieving zero-downtime releases and maintaining high service availability.
- Enforced Kubernetes RBAC and resource quotas, reinforcing cluster security and mitigating resource contention.
- Cut cloud infrastructure costs by 15% via proactive resource optimization and right-sizing in GCP and AWS environments.
- Mentored new engineers and documented best practices, boosting team efficiency and knowledge sharing for core infrastructure and CI/CD processes.
- Orchestrated zero-downtime deployments using blue-green and canary strategies for microservices, enhancing release reliability.
- Integrated Prometheus and Grafana for enhanced monitoring and alerting, supporting proactive incident response and improved system visibility.

OPEN-SOURCE PROJECTS

Jenkins-AI-Optimizer

Aug 2025 - Present

OPEN-SOURCE PROJECTS

- Developed an AI-driven diagnostic tool for multi instance Jenkins CI systems.
- Centralized pipeline failure data and applied machine learning to accelerate root-cause analysis, significantly reducing troubleshooting time for DevOps teams.

CI/CD Pipeline Migration (Jenkins 'GitHub Actions)

Apr 2023 - Apr 2024

OPEN-SOURCE PROJECTS

- Led the complete migration of legacy Jenkins pipelines to GitHub Actions.
- Standardized workflows using modular YAML templates, resulting in a 30% increase in pipeline maintainability and a 25% reduction in CI/CD operational costs.
- Improved overall developer productivity and consistency in build processes.

TECH STACK

- Scripting & Development Practices:** Bash, Python, Agile, DevOps
- Operating System:** Linux, Windows
- Build/CI:** Maven, Node.js, Jenkins, GitHub Actions, AWS CodePipeline, CI/CD Tools
- Containerization & Orchestration:** Docker, Kubernetes, GKE, EKS
- IaC & Automation:** Terraform, AWS CloudFormation, AWS CLI, Ansible
- Cloud Platforms:** Google Cloud Platform (GCP), AWS, EC2, S3, VPC, EKS
- Web Servers & Artifact:** Nginx, Apache, Sonatype Nexus Repository, Docker registry
- Databases:** MySQL
- Monitoring & Logging:** Grafana, Prometheus
- Code Quality & Security:** SonarQube
- Administration & Networking:** Linux Administration, DHCP, DNS
- Certifications:** Cloud, Security, AI Certifications
- Project management:** JIRA, GitHub Projects

HONORS AND CERTIFICATIONS

- [Google Certified Professional Cloud Architect](#)
- [Professional Cloud DevOps Engineer Certification](#)
- [GitHub GH-900 \(GitHub Codespaces for Developers\)](#)
- **Technical Writing & Knowledge Sharing:** Experienced in writing technical documentation and Medium blog focused on cloud certifications, best practices, and DevOps tips.