

# ANKIT KHARWADE

A DevOps Engineer committed to streamlining processes and enhancing efficiency.

Mobile: +91-7972983594 | Email: [iamankitkharwade@gmail.com](mailto:iamankitkharwade@gmail.com)  
Website: <https://a9kit.ddns.net> | Location: Nagpur  
Linkedin: <https://www.linkedin.com/in/iamankitkharwade>

## SUMMARY

Experienced DevOps Engineer with 7+ years in the IT industry, specializing in CI/CD pipelines, cloud platforms (AWS, Azure, GCP), automation (Python, Bash), containerization, and infrastructure as code. Proven track record in project deployments using Node.js, Python, Java, and Angular technologies. Expertise in infrastructure as code (IaC), container orchestration (Docker, Kubernetes), and monitoring solutions (Prometheus, Grafana). Recognized for collaborating with cross-functional teams to streamline deployments, support developers, and swiftly adapt to new technologies.

## PROFESSIONAL EXPERIENCE

### Sr. Executive - DevOps Engineer - IT Infrastructure

Harrier Information Systems Pvt. Ltd  
From: July, 2021 to Present  
Location: Nagpur

1. Developed and integrated a comprehensive CI/CD strategy utilizing Docker, Jenkins, and cloud platforms; established a standardized process that is now utilized by 10+ project teams, enhancing collaboration and consistency in software delivery.
2. Implemented automated database backups to S3 with retention policies using BASH scripts.
3. Engineered a one-click deployment package for a 3-tier application, streamlining the deployment process.
4. Applied Terraform to automate and manage regular deployments, ensuring consistent and scalable infrastructure provisioning.
5. Leveraged Ansible for automating Docker stack deployments, simplifying and streamlining container orchestration.
6. Implemented comprehensive monitoring using Zabbix, Prometheus, Grafana, and CloudWatch for enhanced visibility and performance tracking.
7. Built a Kubernetes cluster on AWS with Role-Based Access Control (RBAC) for secure and efficient management of cluster resources.
8. Utilized GitHub Actions and Bitbucket Pipelines to automate and streamline development workflows in dev environments.

### Kubernetes

#### Tasks:

1. Created a Kubernetes cluster on EC2 instances using Kubeadm for efficient container orchestration and management.
2. Utilized kubectl for basic cluster management tasks, such as checking the status of resources, viewing logs, and troubleshooting issues.
3. Monitored Kubernetes clusters using Prometheus for metrics collection and Grafana for visualization and analysis.
4. Applied Role-Based Access Control (RBAC) to manage and enforce role-based access permissions for developers in the Kubernetes environment.
5. Configured Kubernetes services for exposing applications, including ClusterIP, NodePort, and LoadBalancer types.
6. Started using Helm charts to manage Kubernetes applications, simplifying deployment and configuration.

# PROJECTS

## A Compliance 3-Tier Module

### Tasks:

1. Automated SSL certificate deployment and management.
2. Engineered AWS CodePipeline with AWS CodeBuild and AWS CodeDeploy for frontend and backend deployments, using GitHub as the remote repository to streamline CI/CD workflows.
3. Utilized Infrastructure as Code (IaC) tools to manage Docker Compose stack deployments at the client's site.
4. Migrated deployment processes from AWS to Azure Pipelines for streamlined and efficient management.
5. Leveraged Terraform for cloud resource provisioning and Ansible for configuration management to ensure efficient and scalable infrastructure deployment.
6. Used Terraform modules to expedite deployment during the initial phases of the project, enabling rapid infrastructure setup.

## Mercurial to GitHub Migration

### Tasks:

1. Collected repository information from the client's on-premises Mercurial server.
2. Converted repositories from Mercurial format to Git format.
3. After successfully migrating one repository, created a Linux binary of the process and automated it for the remaining Mercurial repositories.

## A Virtual Race Application

### Tasks:

1. Automated CI/CD pipelines using Jenkins, Git, Maven, SonarQube, and AWS CodeDeploy to streamline deployment processes.
2. Utilized CloudWatch for server monitoring, alongside tools like Prometheus, Grafana, and Zabbix for comprehensive performance tracking and alerting.
3. Engineered AWS cloud resource management and provisioning using Terraform, ensuring efficient and scalable infrastructure deployment.
4. Resolved production API downtime issues through the development and implementation of Python script automation.
5. Achieved a 68% reduction in cloud billing through optimization and cost-effective management strategies.
6. Ensured zero downtime in the production environment through robust deployment strategies and high-availability configurations.

## **Sr. System Administrator | DevOps Engineer**

Dhandhan Infotech

From: 04/2019 - 06/2021

Location: Nagpur

1. Managed and maintained cloud platforms including DigitalOcean, AWS, and Azure.
2. Utilized Terraform for deploying Web Applications across these environments.
3. Managed 250 work machines using Ansible.
4. Set up a Samba server to facilitate file sharing among employees.
5. Developed a reference Linux OS image to expedite system recovery in case of failures, significantly reducing troubleshooting time and enhancing overall employee productivity.
6. During COVID, created a Windows reference image with pre-installed prerequisites and meticulously documented hardware details. Successfully deployed over 250 systems within a week, enabling employees to work from home with minimal issues. This approach reduced system failure resolution time to 10-15 minutes and streamlined remote troubleshooting.

## **System Administrator**

Eagle TK Infotech Pvt. Ltd.

From: 08/2017 - 03/2019

Location: Pune

1. Solving employee computer issues
2. Cleaning and maintaining Hardware CPUs
3. Maintaining Linux machines with the latest updates and patches
4. Created a Samba server for file sharing in the intranet
5. Fixing slow-performing systems reported by employees

## **EDUCATION**

**Graduate in B.Voc (IT) -- 73%**

Kamla Nehru Institute of Technology

 06/2014 - 06/2017

**12th HSC -- 54%**

State Board

 2007

**10th SSC -- 60%**

State Board

 2005