

# MOHAMMAD REHAN KHAN

DevOps Engineer

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## SUMMARY

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An aspiring DevOps Engineer with a passion for automating operational processes and implementing solutions in continuous integration and continuous deployment (CI/CD). I have gained hands-on experience in DevOps and Cloud-Computing, working with various modern technologies that power today's SDLC.

## Projects

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### End-to-End CI/CD Pipeline Using Jenkins, Docker, Kubernetes, and ArgoCD

- This project developed an end-to-end CI/CD pipeline using Jenkins for CI, Kubernetes with EKS and ArgoCD for CD, and Docker for containerization, achieving 90% automation in build and deployment processes. The pipeline supports scalable polyglot applications with GitOps-based deployments on EKS for consistency. It enhances operational efficiency, security, and observability, making it ideal for dynamic, large-scale environments.

### WordPress Deployment with MySQL in Multi-Project AWS Environment

- Deployed a highly available WordPress application using Amazon Web Services (AWS). The development environment hosted WordPress on AWS and EKS, while the production environment housed a MySQL database with private IP connectivity. Configured firewall rules, IAM policies, and Cloud Monitoring, ensuring 99.99% uptime and secure data access.

## Skills

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- Linux • Bash/Shell Scripting • Docker • AWS(EC2 | EKS) • Git • GitHub • Networking • Kubernetes • Jenkins • Python • MYSQL • ArgoCD • Ansible

## Experience

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### Technical intern at Linuxworld:

01/2025 – Present | Jaipur, India

- Gained hands-on experience in DevOps practices by working with tools such as Docker, Kubernetes, Jenkins, ArgoCD, Ansible, and Linux environments.
- Deployed and managed containerized applications using Docker and Kubernetes, ensuring scalability and high availability.
- Configured CI/CD pipelines with Jenkins and integrated Git-based workflows to automate build, test, and deployment processes. Implemented GitOps practices using ArgoCD for continuous delivery in Kubernetes clusters.
- Automated server configuration and provisioning using Ansible playbooks to ensure consistent and repeatable deployments.

## Education

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### Bachelor of Engineering in Computer Science (BE, CS)

2022 | Mumbai

SMT. INDIRA GANDHI COLLEGE OF ENGINEERING Ghansoli

Overall Percentage: 61.73%