

MOHAMMAD KASIM

Location: India — Open to Relocation — Remote

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SUMMARY

DevOps Engineer experienced in automating deployments, building CI/CD pipelines, and managing scalable cloud infrastructure using AWS, Terraform, Docker, Kubernetes, and Jenkins. Skilled in IaC, containerization, monitoring, and configuration management to improve reliability and deployment efficiency.

PROJECTS

2-Tier Application Deployment on AWS

[GitHub Link](#)

Architected and deployed a production-grade **2-tier AWS architecture** using **EC2** and **RDS MySQL**, achieving **99.9% uptime**.

Configured **VPC security groups, IAM roles, environment variables, and Linux dependencies** to enforce least-privilege access.

Implemented a **systemd service** for the Django backend to ensure automatic restarts and high availability.

CI/CD Pipeline with Jenkins

[GitHub Link](#)

Designed and implemented an automated **CI/CD pipeline** using **Jenkins** for a **Node.js** application, reducing manual deployments by **80%**.

Integrated **GitHub Webhooks** with Jenkins to trigger builds and deployments on every commit.

Automated Linux-based deployments using shell scripting for consistent releases.

Infrastructure as Code (IaC) on AWS using Terraform

[GitHub Link](#)

Provisioned scalable **AWS infrastructure** using **Terraform**, enabling environment provisioning in under **5 minutes**.

Developed **modular Terraform configurations** for **VPC, subnets, EC2, IAM, and security groups**, improving reusability by **60%**.

Implemented **remote state management** using **S3** and **DynamoDB** to prevent state conflicts.

EDUCATION

2023 - Present Birla Institute of Applied Sciences, Bhimtal, Uttarakhand
B-Tech in Computer Science and Engineering.

(CGPA: 7.2)

2022 Chhauni Children's Academy
Class 12th

(82%)

TECH STACK

- **Source Code Management:** Git, GitHub
- **Containerization:** Docker
- **Container:** Kubernetes, Docker
- **Cloud Services:** AWS
- **Scripting Languages:** Bash, Python

- **CI/CD:** Jenkins, GitHub Actions
- **Infrastructure as Code (IaC):** Terraform
- **Configuration Management:** Ansible
- **Monitoring:** Grafana, Prometheus
- **Others:** Linux, YAML, Networking, OS, OOPS

ACCOMPLISHMENTS AND SHOWCASE

- National Finalist at Smart India Hackathon (SIH) 2025 for building a scalable problem-solving solution.
- Secured 3rd Runner-up position in NASA Space Apps Challenge 2025.
- Earned YOLO and Pull Shark badges on GitHub for open-source contributions.
- Active technical blogger on Hashnode with multiple writing badges.