Md Moqaddas

+91 7261852693 | mdmoqaddas@gmail.com | mdmoqaddas.github.io | github.com/mdmoqaddas | linkedin.com/in/mdmoqaddas

As a results-driven DevOps Engineer, I bring over 1+ years of experience in Kubernetes, Jenkins, and AWS Cloud. I'm actively seeking opportunities with innovative companies that prioritize creative solutions. I am eager to leverage my skills to develop solutions that continually push the boundaries of automation's capabilities.

Experience

DevOps Lead, *Linux World Informatics Pvt Ltd* | Remote *Sep 2021 - Sep 2022*

- Implemented Infrastructure as Code (IaC) principles utilizing Terraform and Ansible to automate server provisioning, configuration management, and application deployments. Achieved a remarkable 70% reduction in manual intervention, ensuring enhanced system stability and operational efficiency.
- Implemented and managed Docker containers and orchestrated them with **Kubernetes**, enabling scalable and resilient application deployments. Implemented auto-scaling to handle varying workloads efficiently.
- Developed and executed a comprehensive **DevOps strategy, fostering collaboration among development, operations, and QA teams**. Provided **leadership** and direction to a team of DevOps engineers, fostering a culture of continuous improvement and innovation.

DevOps Engineer Intern, *Blue Planet Info Solutions Pvt Ltd* | Remote *Mar 2021 - Aug 2021*

- Designed, implemented, and maintained CI/CD pipelines using **Jenkins**, collaborated with the dev team, enabling the team to achieve rapid and reliable application deployments.
- Implemented robust monitoring solutions with tools **Prometheus and Grafana**, enabling real-time visibility into system health and performance, reduction of **40%** time on troubleshooting.
- Maintained version control repositories **(Git)** to manage codebase and collaborated with developers to streamline code integration, ensuring version control best practices.

Education

8.24/10 **BTech in Computer Science and Engineering**, *Motihari College of Engineering* | Bihar, India *Sep 2019 - Aug 2023*

Achievements: Winner @ International IEEE Conference website Project | Winner in CSE. Dept. - Bachelor's CollegeGig Project.

Courses: DSA | Operating System | Data Science | Machine Learning | Block chain | Software Engineering | Python | C++

Skills

Programming	Bash, Python, Groovy
Continuous Integration and Continuous Deployment (CI/CD)	Jenkins, GitHub, Bitbucket
Containerization and Orchestration	Docker, Kubernetes
Infrastructure as Code (IaC)	Terraform, Ansible
Monitoring Tools	Grafana
Build Tools	Maven, Gradle
Certifications	Red Hat Certified in (EX180), and (EX294)

Projects

AWS Infrastructure Automation with Terraform and Ansible

Personal Project

- Developed a Terraform module that automated the creation of scalable, highly available AWS infrastructure, including VPCs, subnets, and EC2 instances, resulting in a 30% reduction in infrastructure provisioning costs.
- Utilized Ansible playbooks to automate server configuration, reducing the time required for setup and maintenance by 40% and ensuring consistent server configurations across the environment.

Multi-Platform CI/CD Automation with Jenkins Shared Library

Personal Project

- Designed and implemented a Jenkins Shared Library that streamlined CI/CD pipelines for diverse technologies, reducing deployment time by 50% and lowering the error rate by 20%.
- Created modular pipeline stages, including Source Code Management (SCM), Build, Test, and Delivery, within the shared library, resulting in a 40% increase in deployment speed.

Kubernetes Cluster Automation with Ansible

Personal Project

- Developed an Ansible playbook for automated infrastructure provisioning on AWS EC2 instances, enabling the seamless setup of Kubernetes clusters with a 60% reduction in manual configuration time.
- Achieved a 50% increase in the number of instances provisioned simultaneously, ensuring scalability and cost efficiency.

Hadoop Cluster Deployment with Ansible over AWS Cloud

Personal Project

- Automated the setup of HDFS and Map-Reduce clusters, leading to a 30% improvement in data processing efficiency and cost savings of 25% compared to pre-configured clusters.

Secure Authentication System with GitLab CI/CD Integration

Personal Project

- Implemented a comprehensive CI/CD pipeline using GitLab, automating build, testing, and deployment processes, resulting in a 35% reduction in deployment time and enabling rapid updates to our authentication system.