

# MUZAFFAR KHAN

## DEVOPS ENGINEER

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### SUMMARY

I am a seasoned DevOps Engineer with over 4.8 years of experience in architecting and executing CI/CD pipelines, automating infrastructure, and managing cloud deployments. My expertise lies in seamlessly integrating technical skills with strategic collaboration to advance DevSecOps practices, streamline workflow efficiency, and spearhead innovation.

I bring broad proficiency across diverse DevOps tools and cloud platforms, including AWS, while consistently adhering to agile methodologies. My focus on continuous improvement and security ensures the delivery of robust, high-quality software solutions in dynamic and high-pressure environments. With a proven ability to lead teams and drive transformative changes, I am committed to leveraging my skills to enhance operational excellence and foster technological advancement.

### WORK EXPERIENCE

#### DEVOPS ENGINEER

( July 2022 - July 2024 )

Tekdi Technologies Pvt. Ltd.

- Designed, deployed, and maintained Kubernetes clusters on Amazon EKS, supporting high-transaction-rate applications.
- Architected, designed, implemented, and managed secure, scalable, and highly available AWS cloud infrastructure.
- Implemented and managed large deployments of NoSQL databases such as Elasticsearch and MongoDB in Kubernetes environments.
- Established and enforced security best practices for Kubernetes clusters, ensuring compliance with industry standards and regulatory requirements.
- Set up centralized logging and monitoring solutions using Grafana, Prometheus, ELK stack (Elasticsearch, Logstash, and Kibana), and AWS Cloud Watch.
- Conducted capacity planning and optimization to maximize performance and cost efficiency of infrastructure resources.
- Developed and enhanced Terraform scripts for provisioning and managing AWS infrastructure components.
- Collaborated with development teams to optimize application performance, reliability, and scalability through infrastructure optimizations.
- Implemented security scanning tools like Trivy and Snyk, and performed vulnerability assessments using OWASP ZAP.
- Developed and maintained real-time data streaming solutions using Apache Kafka, managing topics, partitions, and replication.
- Hands-on experience with scripting languages like bash for automation and deployment tasks.
- Managed databases, including PostgreSQL and MongoDB, ensuring data integrity, availability, and performance.
- Troubleshoot problems across a wide array of services and functional areas, ensuring minimal downtime.

#### DEVOPS ENGINEER

( Feb 2021 - April 2022 )

eRoam Technologies Pvt. Ltd.

- Designed and managed robust CI/CD pipelines to streamline the development and deployment process, significantly reducing release times and improving software quality.
- Administered and optimized development and production servers on AWS, utilizing a wide range of services including S3, EC2, Route 53, CloudFront, ECR, Elastic Beanstalk, ACM, CodePipeline, Lambda, RDS, IAM, SNS, SQS, ECS and EKS.
- Utilized monitoring tools like CloudWatch and Datadog to ensure system reliability and quickly resolve real-time issues, enhancing overall system performance.
- Automated various aspects of the DevOps lifecycle, employing tools and frameworks like Jenkins, Docker, and Terraform to increase efficiency and reduce manual workload.
- Created and managed Docker images and containers, wrote Dockerfiles, and handled image tagging and publishing to Docker Hub, facilitating consistent and reproducible environments.
- Managed RDS instances for reliable and scalable database solutions, ensuring data integrity and availability.
- Implemented security best practices and compliance measures using AWS IAM, Security Groups, and VPC configurations.
- Deployed and managed microservices-based applications using containerization and orchestration tools like Docker and Kubernetes (EKS), ensuring scalability and resilience.

BrizSolution Technology Pvt. Ltd.

- Utilized GIT for efficient source code version control, ensuring seamless collaboration and code integrity.
- Integrated GIT with Jenkins to establish a robust CI/CD pipeline, incorporating code quality tracking and user management.
- Leveraged Maven as a build tool to automate the creation of deployable artifacts (JAR, WAR) from source code, ensuring consistency and efficiency in builds.
- Successfully deployed and managed LAMP stack environments, providing a stable platform for web applications.
- Created and managed Docker images, ensuring consistent and isolated environments for application deployment.
- Set up, deployed, and managed application stacks on AWS, ensuring high availability and reliability.
- Automated continuous integration and deployment processes using Jenkins and Docker, enhancing workflow efficiency and reducing manual intervention.

## TECHNICAL SKILLS

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- **Cloud:** AWS (EC2, CloudFront, Route 53, S3, SNS, SQS, RDS, IAM, VPC, CloudWatch, ECS, EKS, Lambda)
- **CI/CD Tools:** Jenkins, ArgoCD, GitHub Actions
- **Containerization/Orchestration Tools:** Docker, Helm Chart, Kubernetes, Openshift Rosa Cluster
- **Web Servers:** Apache, Nginx
- **Infrastructure Automation:** Ansible, Terraform
- **Monitoring Tools:** Grafana, Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana), AWS CloudWatch
- **DevSecOps Tools:** Trivy, Snyk, OWASP ZAP, SonarQube
- **Version Control Systems:** GitHub, GitLab, Bitbucket
- **Scripting Languages:** Bash, Groovy
- **Databases:** PostgreSQL, MongoDB

## EDUCATION AND CERTIFICATION

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BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE  
Rajasthan Technical University

( 2015 - 2019 )

GITLAB CERTIFIED ASSOCIATE  
GitLab

Issued on: May 4, 2021

## DECLARATION

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I hereby declare that the above mentioned statement is correct and true to the best of my knowledge and belief

Date \_\_\_\_\_

Time \_\_\_\_\_

**Muzaffar Khan**