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📍 India, Hyderabad, Telangana.

F A I S A L   K H A N

DevOps Engineer

Professional Summary

DevOps Engineer with hands-on experience in AWS, CI/CD, Docker, Kubernetes, and Terraform. Currently learning Azure DevOps, Azure Monitor, and Azure SQL to build strong multi-cloud expertise.

Work Experience

AWS / DevOps Engineer
[Full Stack Academy, India, Hyderabad, Telangana.]

- Utilized **GitHub Artifacts** for **CI/CD** integration and build automation.
- Configured **Jenkins** scripts for automated and seamless continuous Clone, Build, Test and Deployment in different.
- Executed software builds and deployment with **Docker containerization** for optimized scalability. Optimized container memory utilization by up to **70%** and significantly reduced the container launch time by **80%**
- Set up and managed AWS services: **EC2, S3, VPC, RDS, IAM, ELB, Route 53, CloudWatch** for **root cause analysis** and Load Balancing**.**
- Automated provisioning of AWS infrastructure using Terraform for **EC2,EKS,ALB,** and managed state in S3 with DynamoDB locking.
- Managed and stored JAR/WAR artifacts in **Nexus Repository** for efficient
- versioning and reliable deployments.
- Practiced **Azure** DevOps by setting up **CI/CD pipelines** for sample apps, and explored **Azure** Monitor and **Azure SQL** as part of lab-based learning and **GitLab CI**.

AWS DevOps Intern
[Elevate Labs]

- Automated CI/CD pipelines using GitHub Actions and Jenkins for containerized applications.
- Built and deployed Dockerized apps with Kubernetes (Minikube)
- orchestration.
- Implemented Infrastructure as Code using Terraform for automated provisioning
- Applied Git version control best practices with structured branching and commits.
- Monitored application and system performance using Netdata.

Software Development Inter
[Azure Skyney Technology]

- Developed responsive web applications using HTML, CSS and
- WordPress. Built an Android Tic Tac Toe application using Java
- and XML.
- Created and deployed a personal portfolio website. Demonstrated strong problem-solving skills.
- Managed relational databases using MySQL with CRUD operations.

Licenses & Certifications

- **AWS & DevOps Certificated** 2024 (Full Stack Academy, Hyderabad)
- **Linux Certification** 2024 (Full Stack Academy, Hyderabad)
- **DevOps Certificated** 2025 (Elevate Labs)
- **Web Development Using Wordpress** 2023 (Azure Skynet Solutions)
- **Web Development Using HTML and CSS** 2023 (Azure Skynet Solutions)
- **MYSQL** 2023 (Azure Skynet Solutions)
- **Application Development** 2023 (Azure Skynet Solutions)
- **Machine Learning** 2023 (Azure Skynet Solutions)

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Portfoilo: https://faisalkhan45.github.io/portfolio/

Github: https://github.com/Faikhan147

Skills:

- Git, GitHub
- Maven, Nginx
- Sonarqube
- Tomcat
- Jenkins
- Docker
- Kubernetes
- Terraform
- Ansible
- Sonatype Nexus
- Groovy
- Slack
- Helm
- Trivy
- Splunk
- Apache, SSM
- Jira, Python
- Bash Scripting
- Loki, Promtail
- Grafana, Prometheus
- ELK Stack, Datadog

Amazon Web Services (AWS) :

- EC2, S3, VPC, RDS, EBS, EFS, IAM, AMI, SNS, ELB, ECS, WAF ASG, Route 53, AWS Lambda, CloudWatch, CloudFront, CloudFromation, Elasticbeanstalk

Other Technologies :

- **Linux System Administration:**
  Performed Linux system administration tasks including file management, user & group management, permissions, and basic shell scripting.
- **Tools:** Linux, Bash

Education

B.E - 2023

Swathi Instituteof Technology and Sciences.
[Computer Science Engineering]
(First Class)

Intermediate - 2019

PresidencyJuniorCollege, Hyderabad, Telangana.

Projects

CI/CD Pipeline for React.JS Frontend App Deployment on EKS using Jenkins, SonarQube, Docker, Helm, and AWS

- Designed and implemented a fully automated CI/CD pipeline using Jenkins, with multi-environment deployment (QA, Staging, Prod) via parameterized pipelines.
- Integrated SonarQube for static code analysis Quality Gate enforcement (≥90% pass threshold).
- Built and scanned Docker images using Trivy for critical/high vulnerabilities (100% zero critical post-scan).
- Used Helm for Kubernetes deployment, rollback control and deployed to isolated namespaces in AWS EKS.
- Configured Slack notifications for build status using Slack Webhook and Jenkins post-actions.
- Integrated HTML-based Jest test reports and npm audit fixes for secure and tested code delivery.
- Managed Docker artifacts on DockerHub and used Jenkins Credentials for secure secret handling.
- Maintained clean environments via Docker image pruning and implemented rollback on failure for stability.

Infrastructure as Code (IaC) Automation with Terraform for AWS (S3, EKS, Jenkins, SonarQube)

- Designed and provisioned complete AWS infrastructure using modular Terraform, covering S3 backend, EKS cluster, Jenkins, and SonarQube setup.
- Created a secure, versioned S3 bucket with DynamoDB table locking for Terraform state management.
- Built multi-environment EKS infrastructure (Prod, QA, Staging) using environment-specific tfvars and isolated state files, with SSM-enabled EC2 nodes for secure access.
- Modularized EKS and IAM resources under reusable Terraform modules (eks, iam), improving scalability and maintainability.
- Automated Jenkins deployment on EC2 with IAM roles, credentials, pipeline provisioning, plugin installation, and SonarQube scanner setup via Bash script setup_jenkins.sh
- Provisioned SonarQube server on EC2 using Terraform and automated its configuration using Bash script setup_sonarqube.sh
- Applied infrastructure changes using custom shell scripts (apply-*.sh / destroy-*.sh) for seamless IaC lifecycle management.

Kubernetes Deployment with Multi-Database Integration, Secure Ingress, SSL, and Monitoring on AWS

- Deployed 3 replicas of NGINX using a LoadBalancer service to ensure high availability and load distribution.
- Integrated Amazon RDS databases (MySQL, Oracle, PostgreSQL) via Kubernetes ExternalName services for seamless and scalable connectivity.
- Secured database credentials using Kubernetes Secrets for enhanced security.
- Configured Ingress resources for domain-based traffic routing, enabling efficient access management.
- Managed DNS and domain setup using Hostinger and implemented SSL/TLS certificates through Amazon ACM for secure HTTPS access.
- Implemented comprehensive monitoring with Prometheus and Loki, Promtail for CPU metrics and centralized log management.
- Integrated Grafana dashboards for real-time visualization of performance metrics and logs.

Links

CI /CD Pipeline for React .JS Frontend App : **(Link)**

- Crafted an automated CI/CD pipeline for seamless React.js frontend app deployment.Streamlined delivery using Jenkins, SonarQube, Docker, and Helm on AWS EKS with a focus on reliability and scalability.

Infrastructure as Code (IaC) Automation with Terraform : **(Link)**

- Automated AWS infrastructure provisioning using Terraform with modular design.Managed S3 backend, EKS cluster, Jenkins, and SonarQube setup for scalable and consistent deployments.