FAISAL KHAN

DevOps Engineer

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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

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

- Utilized **Git/GitHub** for version control and collaborative for **Agile methodologies**.
- Configured **Jenkins** scripts for automated and seamless continuous Clone, Build, Test and Deployment integration in different **microservices**.
- 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.**
- Automated provisioning of AWS infrastructure using Terraform for **EC2,EKS,ALB,** and managed state in S3 with DynamoDB locking.
- Built and deployed **CI/CD** pipelines using and **Jenkins** for automated
- deployment to **EKS** clusters.
- 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.

Customer Service Manager
[ICICI Lombard]

- Managed insurance cancellations and customer refund
- Applied troubleshooting and cross-functional collaboration to improve
- client satisfaction.
- Developed strong communication and operational coordination skills.
- Demonstrated strong problem-solving skills.
- Enhanced communication to improve customer experience.

Customer Support Manager
[Just Smart IT Solutions]

- Delivered prompt and effective international customer support.
- Improved service delivery by logging client feedback and
- resolving recurring issues.
- Collaborated with cross-functional teams to identify and address Demonstrated strong problem-solving skills.
- Enhanced communication to improve customer experience.

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)

Skills :

- Git, Github
- Maven
- Sonarqube
- Tomcat
- Jenkins
- Docker
- Kubernetes
- Terraform
- Ansible
- Sonartype Nexus
- Groovy
- Slack
- Helm
- Trivy
- Powershell
- Apache, SSM
- Jira
- Bash Scripting
- Python
- Grafana, Prometheus
- Linux and Windows

Amazon Web Services (AWS) :

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

Other Technologies :

- **Application Development:**
  Deployed a web apps using a Application Studio followed standard Coding and Debugging
- **Tools:** Visual Studio

Education

B.E - 2023

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

Intermediate - 2019

Presidency Junior College, 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.

DevOps Project

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.