Faisal khan

AWS DevOps Engineer

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Experienced DevOps Engineer skilled in AWS, CI/CD, Docker, Kubernetes, and Terraform. Actively enhancing proficiency in Azure DevOps, Azure Monitor, and Azure SQL to develop robust multi-cloud expertise.

SKILLS

- Git
- Nginx
- Jenkins
- Terraform
- Groovy
- Trivy
- Jira Istio Rancher
- Prometheus Loki Promtail Grafana
- EC2 S3 VPC RDS EBS EFS
- CloudWatch Cloudfront

- GitHub
- Sonarqube
- Docker
- Ansible
- Slack
- Splunk
- BashScripting
- ELK Stack Datadog Kafka Splunk
- IAM AMI SNS ELB ECS
- CloudFormation Elastic Beanstalk

- Maven
- Tomcat
- Kubernetes
- SonatypeNexus
- Helm
- Apache SSM
- Python
- Amazon Web Services(AWS):
- ASG Route53 AWS Lambda

CERTIFICATION

- AWS & DevOps Certificated (Valid up to 2025)
- Linux Certification (Valid up to 2025)
- DevOps Certificated (Valid up to 2025)
- Web Development and Design using WordPress (Valid up to 2023)
- Web Development Using HTML and CSS (Valid up to 2023)
- MYSQL (Valid up to October 2023)
- Application Development (Valid up to November 2023)
- Machine Learning (Valid up to December 2023)

WORK EXPERIENCE

AWS DevOps Engineer - Full Stack Academy, India, Hyderabad, Telangana.   **Aug 2024 - Aug 2025**

- Implemented **GitHub Artifacts** for **CI/CD** integration and streamlined build automation.
- Configured **Jenkins** pipelines to automate continuous Clone, **Build, Test,** and **Deployment** processes across multiple microservices.
- Executed software builds and deployments through Docker containerization, leading to a **70%** reduction in container memory utilization and an **80%** improvement in launch time.
- Set up and administered various **AWS** services such as **EC2, S3, VPC, RDS, IAM, ELB, Route 53,** and **CloudWatch**, enhancing root cause analysis and ensuring efficient **load balancing**.
- Automated provisioning of AWS infrastructure by leveraging **Terraform** for **EC2**, **EKS**, and **ALB**, while ensuring robust state management in **S3** with **DynamoDB** locking.
- Managed and organized **JAR/WAR artifacts in Nexus** Repository to facilitate effective versioning and dependable deployments.

- Practiced **Azure DevOps** by establishing **CI/CD** pipelines for sample applications and gaining hands-on experience with **Azure Monitor** and Azure SQL in a lab environment.
- Implemented and oversaw **CI/CD** workflows using **GitLab CI** to enhance version control and streamline pipeline automation.

Customer Service Manager - ICICI LOMBARD   **Jul 2024 - Present**
- 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 skills to improve customer experience

Customer Relationship Manager - Just Smart IT Solutions   **Feb 2023 - Feb 2024**
- 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 customer concerns
- Demonstrated strong problem-solving skills
- Enhanced communication to improve customer experience

PROJECTS

CI/CD Pipeline for React.js Frontend App Deployment on EKS using Jenkins,   **2 Months**
SonarQube, Docker, Helm
- 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 and **Quality Gate** enforcement (≥**90%** pass threshold)
- Built and scanned **Docker images** using **Trivy** for critical/high vulnerabilities (achieved **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,   **1 Months**
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 via **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   **1 Months**
Monitoring on AWS
- Deployed 3 **NGINX** replicas using **Kubernetes LoadBalancer** service to ensure high availability and load distribution.
- Integrated **Amazon RDS** (**MySQL, Oracle, PostgreSQL**) with **Kubernetes ExternalName services** for seamless and scalable connectivity.
- Secured database credentials using **Kubernetes Secrets** for enhanced security and compliance.

- Configured **Ingress** resources for domain-based traffic **routing** and efficient access management.
- Managed **DNS** and domain setup via **Hostinger** and implemented **SSL/TLS** certificates (**Amazon ACM**) for secure **HTTPS** access.
- Implemented monitoring with **Prometheus, Loki,** and **Promtail** for **CPU** metrics and centralized log management.
- Integrated **Grafana** dashboards for real-time visualization of performance **metrics** and **logs**.

EDUCATION

2023 **B.Tech/B.E. | Computer Science Engineering**
Swathi Institute of Technology & Sciences (SITS),
Hyderabad

2019 **12th**
Telangana, English
Marks - 86%

EXTRA-CURRICULAR ACTIVITIES

Application Development
- Deployed web applications using Application Studio while adhering to standard coding practices and performing debugging to ensure smooth functionality.

Tools: VisualStudio

CUSTOM SECTION

Links
- **CI/CD Pipeline for React .JS Frontend App :**

https://github.com/Faikhan147/Real-Time-Frontend-App-Repo/blob/main/Jenkinsfile

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

https://github.com/Faikhan147/Terraform-EKS