

Career Objective

DevOps Engineer with practical experience in AWS, Jenkins, Git, Docker, Kubernetes (EKS), and scripting in Bash, Python, and PowerShell. Skilled in creating CI/CD pipelines using Jenkins with Groovy, managing REST API integrations, version control with Git/Gerrit, and debugging across Linux/Windows environments. Familiar with SDLC/STLC, OpenSSH services, and basic SQL. Seeking to contribute to robust DevOps solutions in a dynamic team.

Work Experience

Intern - AWS/DevOps Engineer

[Full Stack Academy, Hyderabad, India.]

- Led advanced **troubleshooting** and **root cause analysis** for **AWS cloud infrastructure and Kubernetes clusters, ensuring minimal downtime**. Actively participated in incident resolution and service request fulfillment using ITSM best practices (mention any tool if used, e.g., **Jira, ServiceNow**). Developed and maintained Standard Operating Procedures (SOPs) for AWS operations to improve team efficiency and compliance. Managed **AWS** security best practices including **IAM role and policy management, security groups, and network ACLs**. Collaborated with cross-functional teams in a remote and multi-cultural environment, providing technical mentorship to junior team members. Utilized monitoring and logging tools including CloudWatch and integrated third- party tools like **Splunk/Datadog** for real-time alerts and analysis (add if you have any experience or familiarity).

Backend Process Associate [ICICI Lombard]

- Managed insurance cancellation and refund processes.
- Utilized troubleshooting to enhance client satisfaction.
- Ensured timely resolution of customer concerns.
- Collaborated with cross-functional teams for efficiency.
- Demonstrated strong problem-solving skills.
- Enhanced communication to improve customer experience.

International Voice Process Associate [JustSmart IT Solutions]

02/2023 – 12/2023

- Delivered exceptional customer support in an international voice process, ensuring quick and effective resolution of client queries.
- Collaborated with cross-functional teams to identify and address customer concerns, improving service efficiency and satisfaction.
- Maintained accurate records of client interactions and feedback, contributing to process optimization and improved service quality.

Course & Certifications

- DevOps Certification** – 2024 (Full Stack Academy)
- Cloud Computing using AWS** – 2024 (Full Stack Academy)
- Linux Certification** – 2024 (Full Stack Academy)
- Web Development using WordPress** –2023 (Azure Skynet Solutions)
- Web Development using HTML and CSS** – 2023 (Azure Skynet Solutions)
- MySQL** – 2023 (Azure Skynet Solutions)
- Android Development** – 2023 (Azure Skynet Solutions)
- Machine Learning** – 2023 (AzureSkynet Solutions)
- Diploma in Computers** – 2020 (Taiba Educational Centre)
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Portfolio: <https://faisalkhan45.github.io/portfolio/>

DevOps Tools :

AWS Services: EC2, S3, CloudFormation, Lambda, IAM, Route 53, RDS, EKS, Auto Scaling, Elastic Beanstalk,

CI/CD Tools: Jenkins (Pipeline with Groovy), Git, GitHub, Maven, SonarQube, Nexus, JIRA, Trivy, Helm

Containerization: Docker, Docker Swarm, Kubernetes (EKS, Minikube), Helm Charts

Monitoring: Grafana, Prometheus, Loki, CloudWatch, Slack-App

Scripting: Bash, Python,PowerShell

Infrastructure as Code: Terraform, AWS CLI, Ansible

AWS Security: IAM roles/policies, Security Groups, Network ACLs

Amazon Web Services (AWS) :

EC2, IAM, S3, AMI, Template, Placement Groups, Load Balancing, EKS, Auto Scaling, CloudWatch, SNS, VPC, RDS, Elastic Beanstalk, Amazon EBS, CloudFormation, AWS Lambda, Route 53

Education

BE - 2023

Swathi Institute of Technology and Sciences
[Bachelor's in Computer Science Engineering (B.E)]
(A Grade)

Intermediate - 2019

Presidency Junior College
Hyderabad, Telangana

DevOps Projects

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

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

- 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**.
- Automated **health checks** via **kubectI, nslookup**, and **curl** to validate **pod** and **service readiness**.
- 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**.

Tools Used: Jenkins, GitHub, SonarQube, Docker, Trivy, Helm, Kubernetes, AWS EKS, Slack, HTML Reports, Jest, npm, curl, nslookup, kubectI.

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

Project url: <https://github.com/Faikhan147/Terraform-EKS>

- 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**.

Tools Used: Terraform, AWS (S3, EKS, EC2, IAM, DynamoDB, SSM), Jenkins, SonarQube, Bash

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** for **CPU metrics** and **centralized log management**.
- Integrated **Grafana dashboards** for **real-time visualization** of **performance metrics and logs**.

Tools & Technologies: Kubernetes, AWS EKS, Amazon RDS (MySQL, Oracle, PostgreSQL), Kubernetes Secrets, Ingress, Hostinger DNS, Amazon ACM, Prometheus, Loki, Grafana, NGINX LoadBalancer.