MUHAMMAD ANAS NAEEM

Junior DevOps Engineer

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SUMMARY

DevOps enthusiast with a solid foundation in cloud computing, automation, and infrastructure management. Skilled in Docker, Kubernetes, and CI/CD pipelines, with hands-on experience in Terraform and Ansible. Passionate about optimizing workflows and eager to apply my skills in a dynamic internship role.

EDUCATION

B.S. Computer Science

University of Karachi   📅 2022 - Present

Pre-Engineering

Govt. Degree Boys College Jahaur   📅 2019 - 2021

PROJECTS

Automating Backups with Jenkins & rclone

Implemented a Scheduled Backup Automation that ensures critical files and databases are securely backed up without manual intervention.

Tech Stack:
Jenkins – Automates the backup process
rclone – Secure file transfer to cloud storage
AWS S3 & Google Drive – Cloud backup storage
Linux & Shell Scripting – For efficient execution

Jenkins-Powered AI/ML Model Deployment Pipeline

Built a fully automated CI/CD pipeline for ML model deployment using Jenkins, Kubernetes, Docker, and Terraform.

Project Highlights:
End-to-End Automation: From model training to deployment in production
CI/CD with Jenkins: Automates training, containerization & deployment
Scalable Deployment: Using Kubernetes & AWS
Monitoring & Logging: Prometheus & ELK Stack ensure smooth operations
Infrastructure as Code: Terraform & Ansible for cloud provisioning

Fully Automated CI/CD Pipeline for Microservices!

CI/CD pipeline that automates the entire development lifecycle for a microservices-based application. This project integrates modern DevOps tools to ensure seamless code quality checks, security scans, containerized deployment, and monitoring.

Tech Stack Used:
Jenkins & GitHub Actions – Automating build & deployment
Docker & Kubernetes – Containerizing & orchestrating microservices
Nexus Repository – Storing & managing artifacts
SonarQube & Trivy – Security & code quality scanning
Prometheus & Grafana – Real-time monitoring & visualization

CERTIFICATIONS

DevOps Master Class (Linux, Python, GitHub)

TrainWithShubham

Linux: The Complete Guide

Udemy

AWS Essentials: A Complete Beginner's Guide

Udemy

Mastering AWS Serverless: Hands-On with Core AWS Services

Udemy

SKILLS

Cloud Platforms

AWS (EC2, S3, IAM, Lambda, VPC)

Programming

Python   Bash   YAML

CI/CD

GitHub Actions   Jenkins

Version Control

Git   GitHub

Tools

Docker   Kubernetes   Ansible

Puppet   Terraform

Monitoring & Logging

Prometheus   Grafana

Security & Compliance

Trivy   AWS IAM

AWS Serverless DevOps Project

Fully serverless web application with automated deployment using Infrastructure as Code (IaC) and CI/CD workflows.

Key Skills Applied:
Serverless Computing
API Management with API Gateway
Infrastructure Automation with Terraform
Seamless CI/CD Pipelines with GitHub Actions

Automated Cloud Infrastructure with Terraform & Ansible!

I automated the deployment of AWS EC2 instances, security groups, and networking using Terraform, followed by seamless server configuration with Ansible. The result? A fully automated, reproducible cloud infrastructure!

Tech Stack & Tools Used:
Terraform – Defined and provisioned cloud resources
Ansible – Automated configuration of EC2 instances
AWS EC2, VPC, Security Groups – Managed infrastructure
Jenkins (CI/CD) – Automated deployment workflows

Resource Manager - A comprehensive solution for real-time CPU monitoring and analysis!

A real-time CPU monitoring and analysis tool designed to help developers track system performance efficiently. This application provides live CPU usage visualizations, instant alerts for critical resource levels, historical trend analysis, and process-level tracking—all packed into a ready-to-deploy Docker container for seamless integration.

Todo App Deployment on Kubernetes

A fully functional Todo App built with React and connected to Firebase for real-time data storage. I also containerized the app using Docker and successfully deployed it to Docker Hub.

Eager to Learn
As someone who is just starting out, I am really enthusiastic about learning anything that would benefit both me and the company I am working for.

Communication Skills
Open-minded, outgoing and patient in conversations with others.

Flexability/Organisational skills
Able to work overtime and take extra shifts.