Jawad Irfan

DevOps Engineer

✉ jawadirfan756@gmail.com | 📞 +92 318-5679731

📍 Peshawar, Pakistan | 🔲 LinkedIn | 🔘 GitHub

PROFILE

Motivated and enthusiastic DevOps Engineer with hands-on experience and an understanding of DevOps tools and methodologies. Recently I completed training in Linux, Git, GitHub, Ansible, Docker, AWS Cloud, Jenkins, Kubernetes, Terraform, and Shell scripting. Eager to leverage my skills and knowledge in a dynamic, collaborative team environment. Committed to continuous learning and growth in the field of DevOps.

SKILLS

- **Cloud Platforms:** AWS (EKS, ECS Fargate, Route53, CloudWatch, IAM, EC2)
- **Configuration Management:** Ansible
- **Operating Systems:** Windows, Linux (Ubuntu, Red hat)
- **Programming & Scripting:** Shell Scripting, Python
- **Infrastructure as Code (IAC):** Terraform
- **Container Management Tool:** Kubernetes (Installation, Storage, Networking)
- **Containerization Tool:** Docker
- **CI/CD Tool:** Jenkins , GithubAction
- **Version Control:** Git with GitHub
- **Webserver:** Nginx
- **Database:** MySQL
- **Monitoring and Logging:** Prometheus and Grafana

PROJECTS

Containerized and Orchestrated a Real-Time Chat Application
Tech Stack: Docker, Kubernetes (Minikube), React, Node.js, MongoDB, Socket.io, Nginx, Jenkins

- Developed and deployed a three-tier chat app using Minikube for local Kubernetes orchestration.
- Containerized frontend, backend, and database using Docker and managed services with Kubernetes manifests.
- Configured networking (Ingress, Services) and security (Secrets) for secure communication.

2048 Game Deployment on Amazon EKS
Key Technologies: Docker, Amazon EKS, Kubernetes, AWS IAM, Amazon CloudWatch, Load Balancer

- Containerized the 2048 Game using Docker and deployed it on Amazon EKS.
- Configured Kubernetes YAML manifests for deployment and set up auto-scaling for high availability.

- Integrated AWS IAM roles for security and utilized Amazon CloudWatch for monitoring and logging.
- Deployed a Load Balancer for efficient traffic management, followed by performance testing to ensure scalability.

AWS Resource Management Automation Using Shell Scripting

Description: Developed a Shell Script for AWS EC2 to automate the listing of resources across 14+ AWS services**.**

- *Key Features***:**
    - Automation**:** Streamlined resource management tasks with user prompts for region and service selection**.**
    - Error Handling**:** Ensured AWS CLI installation and configuration, reducing execution errors.
    - Efficiency**:** Improved accuracy and efficiency in resource data retrieval.
- *Key Technologies***:** Shell Scripting, AWS EC2, AWS CLI
- GitHub**:** [Shell-Scripting-Project](#)

Setting Up Infrastructure on AWS using Terraform

Description: This project demonstrates the deployment of a highly available web infrastructure on AWS using Terraform.

Key Features:

- VPC & Security: Configured a secure VPC with subnets and security groups.
- Web Servers: Automated deployment of Apache web servers on EC2.
- Load Balancing: Integrated into an ALB for traffic distribution and high availability.
- S3 Integration: Used S3 for static asset management.
- Automation: Ensured consistent deployment with Terraform.
- *Technologies*: Terraform, AWS VPC, EC2, ALB, S3, Apache
- GitHub: [Terraform Project Using AWS](#)

CERTIFICATES

- **Linux Administrator**– Udemy (2024)

- **AWS Cloud Technical Essentials** – Coursera (2024)

- **Jenkins** – Kodekloud (2024)

- **Shell Scripts for Beginners** – Kodekloud (2024)

- **Docker Basics for DevOps** – Kodekloud (2024)

- **Git Basics for DevOps** – Kodekloud (2024)

EDUCATION

Bachelor of science in Computer Systems Engineering, UET Peshawar   2021-Present