

# MUHAMMAD ADEEL

## Senior DevOps Engineer

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### SUMMARY

Senior DevOps Engineer with 5+ years of experience designing, automating, and scaling cloud and on-prem infrastructure across AWS, Kubernetes, Docker, Terraform, and Linux systems. Strong track record of building CI/CD pipelines, containerized microservices, deploying ML workloads, hardening networks, and managing high-availability environments. Adept at improving deployment velocity, observability, and system reliability through automation and infrastructure-as-code. Experienced in load balancers, VPN infrastructures, and monitoring stacks. Collaborative team player with strong communication and cross-functional delivery skills.

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### EXPERIENCE

#### Senior DevOps Engineer

Funsol Technologies, Islamabad, Pakistan

October 2023 - Present

- Engineered GitHub/GitLab CI/CD pipelines that significantly reduced deployment time and enabled automated, zero-downtime releases for Python/ML microservices.
- Automated end-to-end deployment of Django and Flask-based machine learning applications using Ansible, ensuring consistent, repeatable environments across fleets of servers.
- Containerized ML workloads with Docker and orchestrated them on K3s and RunPod serverless GPUs, improving scalability and utilization for inference workloads.
- Designed and managed Nginx and HAProxy-based load-balancing and reverse-proxy layers, optimizing traffic distribution, SSL termination, and application security.
- Built a centralized observability stack with Prometheus, Grafana, Loki, Promtail, and Blackbox Exporter, delivering API-level alerting, SLO visibility, and faster incident resolution.
- Implemented resilient storage and CDN integrations to support high-traffic applications with low latency and improved content delivery performance.
- Architected end-to-end OpenVPN platform across 30+ servers and 300+ instances, securely serving 15K+ concurrent clients with automated provisioning, high availability, and full monitoring/alerting coverage.

#### Senior DevOps Engineer

Bratsol Technologies, Islamabad, Pakistan

July 2023 – October 2023

- Orchestrated CI/CD processes for Dockerized applications (MERN stack, Java) and managed deployment with Kubernetes and Helm charts.
- Implemented Terraform and Ansible for automated infrastructure management.
- Managed databases including PostgreSQL and MongoDB.

#### DevOps Engineer

Ropstam Solutions, Islamabad, Pakistan

September 2022 – June 2023

- Managed CI/CD pipelines for MERN stack applications using Jenkins and GitHub Actions.
- Containerized applications with Docker and Docker Compose.
- Implemented Infrastructure as Code (IaC) with Terraform for Microservices.
- Conducted CPanel migration.

- Configured web servers (Nginx, Apache), reverse proxy, and port forwarding.
- Implemented monitoring and notification systems using Prometheus, Grafana, and Cloudwatch.
- Worked with MySQL, RDS, and MSSQL databases.
- Contributed to Amazon Connect supervisor dashboards for user and agent management.
- Employed Agile Scrum methodology using Jira, Trello, and Slack for project management.

### **Assistant System Administrator**

**NUST, Risalpur, Pakistan**

**January 2022 – August 2022**

- Managed on-premises servers, including administration, performance tuning, and surveillance system maintenance.
- Established Active Directory connections with networks (LDAP & Radius).
- Demonstrated proficiency in FortiGate Firewall, Pfsense, and Cisco switches.
- Conducted infrastructure upgrades and enhancements, including firmware/OS upgrades and hotfixes.
- Monitored and optimized operating system parameters to ensure optimal performance.
- Utilized monitoring tools such as PRTG, SolarWinds, and Fast Vue to monitor systems and logs.
- Managed storage on on-premises solutions (NAS/SAN).
- Possessed knowledge of Linux administration (Ubuntu, CentOS).
- Built and maintained wireless networks, including Unifi networks.

### **Network Administrator**

**College of Aeronautical Engineering, Risalpur, Pakistan**

**November 2018 - March 2021**

- Applied solid knowledge of LAN networks, VPNs, and Active Directory.
- Demonstrated working knowledge of Cisco routers and switches.
- Experience with firewalls such as FortiGate, SonicWALL, and Pfsense.
- Installed and configured servers including SAN server, print server, DNS, DHCP, Apache, log, IIS, and ISA server.
- Configured and implemented surveillance system devices such as NVRs.
- Capable of managing wireless networks using Unifi devices and Unifi Controllers.

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## **SKILLS**

**CI/CD:** GitHub, GitLab, Jenkins, GitHub Actions; deployment automation

**Scripting & Automation:** Shell scripting (Bash, Python); Infrastructure as Code (IaC) with Terraform and AWS CloudFormation.

**Containerization & Orchestration:** Docker, Docker Compose, Kubernetes, Amazon ECS, AWS Fargate, K3s, LXC, Runpod.

**Monitoring & Logging:** Prometheus, Grafana, Loki, CloudWatch, PRTG, SolarWinds, FastVue, Blackbox Exporters.

**Databases:** MySQL, PostgreSQL, MongoDB, RDS, MSSQL, Redshift

**Networking & Load Balancing:** Nginx, HAProxy, OpenVPN, FortiGate Firewall, Pfsense, Cisco switches, UniFi networks.

**Cloud Services & Storage:** AWS (EC2, S3, RDS, VPC, Lambda, SageMaker), CDN, NAS/SAN.

**Version Control:** Git, GitHub, Gitlab.

**Server & OS Management:** Linux (Ubuntu, CentOS), Windows Server; configuration of network devices (Cisco, FortiGate).

**Agile & Project Management:** Agile Scrum methodologies with Jira, Trello, Slack, ClickUp.

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## **EDUCATION**

**BS - Computer Sciences**

**University of Peshawar, Peshawar, Pakistan**