

# Umer Farooq

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## Professional Summary

Cloud Solutions Architect and DevOps Engineer with 3+ years of experience designing, automating, and managing secure, scalable, and cost-effective multi-cloud infrastructures. Proven expertise in building Cloud Native applications using Docker and Kubernetes, architecting solutions on AWS, and implementing end-to-end IT automation through Infrastructure as Code (IaC) and CI/CD pipelines.

## Core Competencies

- **Cloud Platforms:** AWS (EC2, S3, IAM, CloudWatch, ECR, ECS), Multi-Cloud Strategy
- **Cloud Native & Containers:** Docker, Kubernetes (deployment, auto-scaling, management), Helm, Kind
- **Infrastructure as Code (IaC) & Automation:** Terraform (provisioning), Ansible (configuration management), Shell Scripting, Python
- **CI/CD & DevOps:** GitHub Actions, Jenkins, GitOps methodologies
- **Programming & Scripting:** Python (ML, automation), JavaScript, Bash/PowerShell
- **Monitoring & Observability:** AWS CloudWatch, Zabbix, Prometheus/Grafana (exposure)

## Professional Experience

### Cloud Computing Instructor | TEVTA Punjab - *Onsite* | October 2025 – Present

I have experience as a Cloud Computing Instructor at TEVTA Punjab, where I teach Microsoft Azure fundamentals (AZ-900), covering core cloud concepts, Azure services, security, pricing, and hands-on labs for beginners.

### Cloud Infrastructure Engineer | Tarionix - *Hybrid* | April 2025 – Present

- Design, Implement and Manage Cloud Infrastructure for scalability, availability and security.
- Deploy, Configure, and Maintain computer, storage, networking and security services on cloud platforms.
- Automate Infrastructure provisioning, monitoring and maintenance using CI/CD pipelines and scripting.

- Monitor system performance, troubleshoot issues, and ensure high availability and disaster recovery capabilities.
- Implement cloud security best practices, including IAM, Firewalls and encryption.
- Collaborate with development and Operations teams to support cloud-native applications and containerized workloads (Docker, kubernetes, ECS, EKS, AKS, GKE).
- Provide technical documentation and ensure compliance with organizational standards and policies

*Tools:* AWS, GCP, Kubernetes, Docker, GitHub Actions, Terraform, Ansible

#### **IT Team Lead & Cloud Architect** | The Value Engineering, Rawalpindi | *Sep 2023 – Mar 2025*

- Architected, deployed, and managed the company's cloud infrastructure on **AWS**, leveraging **EC2** for computing and **S3** for scalable storage, reducing on-premises overhead and improving scalability.
- Spearheaded the adoption of containerization using **Docker** and orchestrated the migration of monolithic applications to **Kubernetes** clusters, enhancing deployment efficiency and application resilience.
- Engineered **IT automation** solutions by developing scripts (Shell, Python) and utilizing **Ansible** for configuration management to automate repetitive system administration tasks across Windows and Linux environments.
- Designed and implemented a full **CI/CD pipeline** using **GitHub Actions** to automate build, test, and deployment processes for staging and production environments, significantly reducing manual errors and deployment time.
- Initiated the use of **Terraform** to codify and provision cloud resources, enabling version-controlled, reproducible, and auditable infrastructure deployments.
- Established a comprehensive monitoring framework using **AWS CloudWatch** and **Zabbix** for full-stack observability across cloud and on-premises systems. Secured the network perimeter by managing next-generation firewalls (UDM Pro, PFSense).
- Configuration and Management of Rack Mounted Servers.
- GoDaddy Mail Server Management
- Network Planning and Design solutions
- Managing web servers (IIS).

- Ensure security through access controls, backups and firewalls.
- Install and configure local area networks (LANs), wide area networks (WANs), and network segments and servers, such as file servers, VPN gateways.
- Upgrade systems with new releases and models.

Tools: AWS (EC2, S3, IAM, CloudWatch), Kubernetes, Docker, GitHub Actions, Terraform, Ansible, Zabbix, Windows Server, Hyper-V/ESXi, Firewall

#### **Assistant Network Executive** | Lal Technologies, Rawalpindi | *Aug 2022 – Jul 2023*

- Automated server provisioning and configuration tasks for both Linux and Windows environments through scripting, establishing early foundations for IT automation.
- Deployed and managed web servers (**Apache, IIS, Nginx**) and implemented secure remote access solutions via VPN gateways.
- Executed rigorous server maintenance routines, including patch management, security hardening, and backup operations.

#### **Key Cloud & DevOps Projects**

##### **Multi-Service Cloud Native Deployment on Kubernetes**

- Designed and deployed a full-stack React/Node.js application on a **Kubernetes** cluster (Kind), implementing manifests for deployments, services, and **auto-scaling** to demonstrate cloud-native principles. **Infrastructure as Code (IaC) for Cloud Provisioning**
- Developed **Terraform** templates to automate the provisioning of foundational AWS resources (VPC, EC2, S3), creating reproducible and version-controlled development and staging environments.

#### **Education & Certifications Bachelor of Science in Software Engineering**

National University of Modern Languages, Islamabad (2017 – 2021)

#### **Certifications**

- AWS Cloud Technical Essentials – Coursera
- DevOps in AWS – Coursera
- Certificate in CISCO Network Administrator – NAVTTC
- Huawei Certified HCCDP-Solution Architect