



1st August, 1982



Peshawar, Pakistan



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KHALID KIFAYAT

DevOps/Cloud Engineer



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Objective: Skillful Tech Engineer with working experience in Cloud computing, Infrastructure deployment, testing, monitoring, scripting, automation, Version control, documentation & system's support.

Experience: I had switched from the domain of IT System's Administration (Exp > 14 years) to this exciting DevOps (Exp > 1) career.

Core Competency

- *Git, GitHub, GitLab
- *SonarQube/JFrog for code testing
- *CI/CD: Jenkins ArgoCD, GitLab CI/CD for automation.
- *Containerization: Docker and Kubernetes
- *Infrastructure as Code: Terraform, Ansible, Cloud-Formation
- *Monitoring: AWS Cloud-Watch, Google Cloud Ops-Agent Monitoring, or tools like Prometheus Grafana.
- *Security: IAM, Cloud Armor, Active Directory (AD)
- *Ai-Chatbot development in Python/JS

E-Certs

UDEMY

- AWS Certified Cloud Practitioner

Simplelearn

- Google Cloud Deployment Platform
 - Mastering Kubernetes

MS/Google Cloud Skill Badges

- earned 113 skill badges in MS-Azure
- earned 40+ GC skill badges in cloud

Hashnode Blog

- written 8 project blogs on AWS cloud deployments

Education

Masters in Comp Sciences

Iqra University, Karachi
2004 - CGPA (3.68/4.0)

BSC. Comp Sciences

University of Peshawar
2002 - 336/550 (1st Div)

Communication Skills

Effective Communicator
Teamwork & Leadership
Customer focused
Active listening

Cloud/DevOps Projects:

CICD Pipeline for Java Application to deploy on Kubernetes Cluster using Jenkins : 2023

- Integration of jenkins & sonarqube for static code analysis. dockerizing Application and pushing the image to private registry.
- Identifying the misconfiguration in HELM charts using Datree.
- Pushing the helm charts to nexus for re-usability.
- Deploying the application on k8s cluster using the helm charts. Configuring mail-server and enabling pull request trigger.

Automated CI/CD Pipeline for Django Web Application using AWS, Docker, Jenkins and Kubernetes : 2023

- A Real time CI/CD Pipeline on Jenkins with Github integration and a system designed to handle database, server and orchestration using Docker, Docker Compose, Kubernetes.

Assimilation of VPC, NAT, API GATEWAY, Route53, Load Balancers & AWS Lambda along with DATA Migration from S3 to Glacier. 2023

- Originally composing a VPC, security layer, CIDR and subnet setup.
- Directing traffic between resources and configuring Network Address Translation. Configuring API Gateway and Route 53. In addition, moving Data from S3 bucket to Glacier.
- Practicing Application and Network Load Balancer, Precipitate with LAMBDA Trigger and deploying Python code in LAMBDA.

Manage, Secure, Monitor & Prevent Misconfiguration of Kubernetes : 2023

- Prevent Kubernetes misconfigurations with Datree. Managing Kubernetes Clusters proficiently with Lens.
- Manifest YAML templates using Monokle and manages multi-cluster with Kubesphere.
- Securing Kubernetes cluster with Kubescape and Validate, Clean Kubernetes YAML with Validkube.
- Proficiently manages containers using Portainer and reduces cost with kubecost.

MongoExpress/MongoDB Application deployment using Kubernetes: 2023

- Deployment of a MongoDB and MongoExpress application on Kubernetes Cluster.
- Tools like MongoDB 4.4.0, MongoExpress, Docker, Minikube ssh and various Kubernetes components like Configmap, Load-balancer, Secrets, Nodeport, Service, and Namespace were used to manage the application.

Deploying App using GiT-Maven-Jenkins & Tomcat Server: 2023

- Deploying an application using Git, Maven, Jenkins, and a Tomcat Server.
- Git is used for version control, Maven builds the application and manages dependencies.
- Jenkins automates the build and deployment process.
- Tomcat Server is where the application runs. The CICD deployment process is streamlined and made consistent through the use of these tools.

Work Experience

IT Technical Analyst

July 2019 - Sept 2020

Pakistan Tobacco Company (PTC) 1 Location: Akora Khattak Factory, KPK, Pakistan (Client: HRSPL)

- R2 Testing. (MES integration)
- Deploy overall Network (LAN) for MES equipment's. installed and configured OS on MES PCs.
- Installation and Configuration of MES HHT (handheld devices). Configured high-end Zebra printers.
- Coordination with vendors to make sure network connectivity among all devices across MES Infrastructure.
- Involved and assisted in the GMES Cutover, Go Live and Hyper-care activities.
- User Acceptance Testing & Analysis activities

IT Officer

May 2013 - Mar 2018

Rural Livelihood & Community Infrastructure Project (RLCIP) 1 Location: Peshawar, Pakistan

- Designed and establishment of IT infrastructure for the project.
- Troubleshoot server, network and desktop hardware, laptops, wireless access points and networked printers. Install software security patches on server.
- Maintaining Backups using acronis true image client and server edition.
- Establishment of remote VPN connectivity with agency offices of the project.
- Data/Internet usage reports of all clients using MRTG/Cacti on daily, weekly and monthly basis.
- Maintain/troubleshoot Wi-Fi network of the project.
- Development and maintenance of a project's website.
- Keeping proper record of IT equipment, close coordination with inventory/procurement officer.

IT Admin

July 2010 - Apr 2013

Area Development Project for Frontier Regions (ADP-FRs) 1 Location: Peshawar, Pakistan

- Troubleshoot/administration of official LAN, active directory, creation/deletion of client connections upon request.
- Maintaining data security & monitoring of LAN with antivirus/antispyware and deactivation of client account from AD.
- Maintain system backup images as needed to recover from deliberate damage.
- Cabling in office premises, network switch to PCs (UTP/STP, cat-5/6). Configuring of internet gateway DHCP, DNS, ISA.
- Keeping proper record of IT equipment, close coordination with inventory/procurement officer.

IT Admin

June 2007 - June 2010

South FATA Development Project (SFDP) 1 Location: Peshawar, Pakistan

- Install configure and maintain server, clients, Ethernet LAN, cabling, hardware equipment, ext disk drives, printers etc.
- Troubleshooting LAN systems and applications to identify and correct malfunctions/operational difficulties.
- Conduct trainings for agency staff and assisting them in max use of network and computing systems.
- Anticipate communication and networking problems and implement preventive measures.
- Ensure timely user notifications for maintenance activities.
- Document network problems and suggesting solutions for future reference.
- Provide server/client systems support.
- Coordinate the creation, modification and removal of user accounts from AD as required.
- Installation of software patches when needed to ensure that all systems are protected from viruses/spyware.

Assistant Network Engineer

Oct 2004 - May 2007

Warid Telecom (Telecom Company) 1 Location: Peshawar, Pakistan

- Assisting in AD account management, e-mail, firewall, office systems and applications support.
- Manage existing servers, hardware, peripherals, services, directories etc in accordance with standards and telecom requirements.
- Maintain installation, configuration and management procedures for official LAN.
- Verifying the integrity/availability of all hardware, server resources, reviewing system, application logs, scheduled backups etc.
- Apply OS patches and upgrades on a need basis, and upgrade administrative tools and utilities.