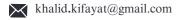


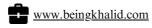
Peshawar, Pakistan

+92-345-9138794





DevOps/Cloud Engineer













hashnode.com/@khalid786

<u>Objective</u>: 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 Plateform
 - 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 Cl/CD Pipeline for Django Web Application using AWS, Docker, Jenkins and Kubernetes: 2023

 A Real time Cl/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

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 devises). 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

— May 2013 - Mar 2018

- July 2019 - Sept 2020

IT Officer

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.

- July 2010 - Apr 2013

IT Admin

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.

June 2007 - June 2010

IT Admin

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.

Oct 2004 - May 2007

Assistant Network Engineer

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.