Contact

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Top Skills

Linux System Administration

VMWare ESXi

Bash

Languages

English (Professional Working)

Urdu (Native or Bilingual)

Certifications

Configuration Microsoft 365

Certified AI in the Cloud

Deploy Azure infrastructure

Scalability & Resiliency with Azure
Load Balancer

Honors-Awards

Scholarship Holder

Muhammad Umer Afzal

Co-Founder @KCloudAI | DevOps & Cloud Solutions Architect |
Driving Agentic AI and Workflow Automations
Lahore District, Punjab, Pakistan

Summary

As the Co-Founder of @KCloudAI, I am driving the vision, strategy,
and technical innovation behind our mission to build intelligent,
scalable, and transformative cloud-native solutions. My journey
from DevOps Engineer to co-founder of @KCloudAI has equipped
me with both the technical depth and the entrepreneurial mindset
needed to architect impactful products and lead high-performance
teams.With hands-on experience across Azure, AWS, GCP cloud
architecture, infrastructure automation, and container orchestration,
I specialize in designing resilient, scalable ecosystems using tools
such as Terraform, Ansible, Docker, and Kubernetes. I've built robust
CI/CD pipelines using Jenkins, GitLab CI/CD, and C CI, enabling
rapid and reliable delivery for diverse apps.I'm always open to
connecting with founders, engineers, and teams exploring cloud
transformation, AI-driven automation, or DevOps enablement.

Experience

KCloudAI
Co-Founder & COO
January 2025 - Present (1 year)
United States

VersaPaper, Inc.
Consultant - DevOps & Infrastructure Engineer
January 2023 - October 2025 (2 years 10 months)
Florida, United States

- Administered and harden Linux (RHEL/Ubuntu) and Windows Server
environments.
- Manage OS patching and ensure system-level security compliance.
- Design, support, and optimize infrastructure on GCP, OCI, and Azure.
- Implement centralized logging (ELK Stack) and observability tools
(Prometheus, Grafana).

- Build and maintain CI/CD pipelines and Infrastructure as Code (Terraform, Ansible).
- Integrate DevSecOps practices into the software development lifecycle
- Managed and deployed applications on Azure, AWS, and GCP.
- Designed and maintained highly available and scalable infrastructure.
- Experience with Azure VMs, VM Scale Sets, Kubernetes (AKS, EKS, GKE), and Azure App Services.
- Built and optimized CI/CD pipelines using Azure DevOps, GitHub Actions, and Jenkins.
- Integrated SonarQube for code quality checks in CI/CD pipelines.
- Implemented Prometheus, Grafana, and Azure Monitor for real-time monitoring.
- Configured logging solutions using ELK Stack, Splunk, and Azure Log Analytics.
- Created dashboards for system health tracking and incident response.
- Implemented IAM, RBAC, and Microsoft Entra ID (Azure AD) for access control.
- Worked with Secrets Management tools like Azure Key Vault and AWS Secrets Manager.

Practice Automations
Site Reliability Engineer
March 2020 - May 2023 (3 years 3 months)
Texas, United States

IT Infrastructure & Cloud Technologies:
Configured and managed Proxmox & ESXi virtual environments for improved scalability and efficiency.
Set up and managed Docker containers for better application deployment and resource utilization.
Migrated and upgraded virtual-to-hardware & hardware-to-virtual environments.
Provided network assistance to remote locations and ensured seamless connectivity.
Conducted monthly vulnerability assessments to reinforce network security.
Managed user profiles, webmail, and email systems for improved collaboration and workflow.
Cybersecurity & System Administration:
Regularly evaluated existing networks to identify and implement improvements.
Managed antivirus systems with up-to-date patches and security updates.

Configured and maintained attendance servers and call center systems for smooth business operations.

Technical Support, Virtualization:

Provided end-user training to enhance technical proficiency and maximize business value.

Collaborated with vendors to troubleshoot and resolve remote site IT issues effectively.

Created and maintained IT documentation, workflows, and support procedures.

Optimized Proxmox-based virtualized environments for business continuity and efficiency.

Vouch
Linux System Engineer
March 2018 - November 2021 (3 years 9 months)
Texas, United States

1. Kubernetes Service: used for app having micro services architecture to achieve zero traffic spikes during promotions and holiday season. Created Docker files for each micro service (like web server, product catalog, payment service). Build Docker Images and Push Docker Images to Azure Container Registry and then deployed Application to AKS.

2. Jenkins: Use Jenkins to automate the CI/CD pipeline for deploying a new version of a web application.

3. Azure Boards: To manage and track work items, sprints, and bug reports for a software development team working on an agile project

4. Virtual Networks: Set up a secure Virtual Network in Azure to host multiple services for PM application ensuring all resources communicate privately within the network.

5. Route Tables: Configure a Route Table in Azure to route traffic between different subnets within a Virtual Network for a multi-tier web application

6. NSG: Use an NSG to control inbound and outbound traffic to a set of virtual machines running a financial application restricting access to only necessary ports.

7. VNet Peering: Set up VNet Peering between two Azure Virtual Networks in different regions to allow secure and low-latency communication between a front-end web service and a back-end database.

8. Global VNet Peering: Implement Global VNet Peering to connect virtual networks across different Azure regions to communicate the VMs

9. Monitor: Azure Monitor to track performance metrics and set up alerts for a mission-critical application running on a Virtual Machine Scale Set

10. Network Watcher: Leverage Azure Network Watcher to diagnose and troubleshoot connectivity issues between different subnets in a Virtual Network hosting a multi-tier application

11. Firewall (Basic Tier): Set up Azure Firewall (Basic Tier) to protect a small-scale patient data from application by enforcing centralized network security policies and controlling traffic to and from the application.

Beyond Logics Inc
Software Engineer
February 2017 - February 2018 (1 year 1 month)
Lahore, Pakistan

Developed and maintained web applications.

Assisted in database design and query optimization for scalable applications.

Implemented RESTful APIs for seamless application integration.

Worked on bug fixing and performance optimization to improve system efficiency.

Collaborated in agile teams to develop and deploy software solutions.

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Education

University of the Punjab
Bachelor of Science - BS, Software Engineering · (2012 - 2016)