

Muhammad Zeeshan

Cloud Architect at Virsatant

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# Profile

With over a decade of experience in the IT industry, I specialize in cloud computing, development, and DevOps domains. As a skilled developer, I create custom solutions such as ETL, cost management for cloud, and inventory management systems. I also design, develop, and deploy scalable solutions that provide % uptime to businesses, adding value to their bottom line.

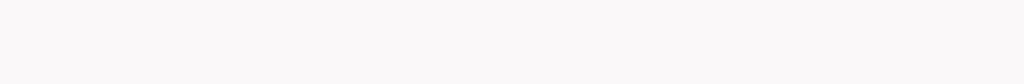
# Strengths & Skills

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| --- | --- | --- |
| ✔ CICD | ✔ Docker Kubernetes | ✔ FinOps |
| ✔ Azure Firewall | ✔ JavaScript | ✔ Google Cloud Platform |
| ✔ YAML | ✔ Terraform | ✔ Node JS |
| ✔ Microsoft Azure | ✔ AWS | ✔ Cloud Computing |
| ✔ Linux |  |  |

Education

Masters in Science MCS Virtual University of Pakistan Karachi, 2018 Bachelor University of Karachi Karachi, 2015

# Certifications



AZ-400 Designing and Implementing Microsoft DevOps Solutions

Microsoft

<https://www.credly.com/badges/dbd1c455-8cad-4d02-816a-d10eb92a35dc>

Microsoft Azure Data Fundamentals Starting November 2020

LLPA

<https://www.credly.com/badges/7050acf5-572e-4140-be84-5c50b6a7840e>

MCSA (Server 2012) MCPS Starting October 2015

Microsoft

Experience (10 Years)

Cloud Architect March 2023 - Present

Virsatant Islamabad, Pakistan

* Automated services, operations, and resolutions of incidents using a wide variety of tools such as Azure Functions, AWS Lambda, Google Apps Script, REST APIs, and more.
* Designed & implemented cloud-agnostic operational framework: policies, playbooks, monitoring, security, KPIs, and Quality Bars.
* Audit and monitor the cloud platforms (AWS, Azure, and GCP), products, and services and ensure compliance with the defined standards.
* Developed and initiated FinOPS framework across the organization to make solutions cost-effective.
* Led the Integration of Security into the CI/CD Pipeline using automated security tools, including static (SonarQube) and dynamic code analysis tools (Burp Suite) to scan for vulnerabilities.
* Established continuous monitoring mechanisms using tools like Splunk and ELK stack to detect and alert security anomalies in real time.
* Built different ETLs using Node JS, Firebase and GCP to support Cloud and DevOps operations across the organization. Extensively used Azure DevOps to automate Infrastructure provisioning and cloud operations using Classic and YAML based pipelines.
* Worked with GitHub actions to build and deploy web/mobile applications on different CSPs (AWS, GCP, and Azure)
* Designing and Building cloud-native solutions which are secure and scalable and adds value to business.

Senior DevOPS Engineer July 2020 - March 2023

Cloud Enterprise Business Solutions Islamabad, Pakistan

1. Source code management with Github and Azure Repos.
2. Build and Release Management with CICD tools such as Azure DevOPS, Jenkins, Git, VSTS, Maven, ANT, Gradle etc
3. Creating and managing CICD pipelines / processes for different integrations and other projects.
4. Automating Infrastructure / Resources deployments on Microsoft Azure with PowerShell scripting and ARM templates.
5. IaC with ARM templates to provision infrastructure on Azure.
6. Config Management / Orchestration with Ansible to deploy Web / Application server using Playbooks.
7. Using Ansible vault to encrypt sensitive information in group/host variables.
8. Infrastructure Monitoring with Application Insights and Log Analytics Workspace.
9. Assisting to upgrade, install, and configure monitoring solutions for Microsoft Azure.
10. Monitoring Azure FaaS, PaaS and SaaS resources for different systems of app using Azure Monitor.
11. Alert Management on Slack/Email and Microsoft Teams for deployed systems on Azure.
12. Using Azure Log Analytics Queries to detect and examine ddos/brute force attacks and monitoring key metrics.
13. Building Dashboards and charts on Microsoft Azure to monitor whole eco-system.
14. Integration of security for Mobile and web based applications with WAF, Azure Firewall, NSGs and VNET.
15. Containerization and Orchestration using Docker with custom images and Kubernetes with managed clusters on AKS.
16. Architecting HA/DR solutions on Azure for medium to enterprise size business with Application Gateway, VMSS etc
17. Implementing and ensuring security for whole eco-system on Azure using Azure Firewall, NSGs, Application Gateway etc.
18. Configuration, Management and Backup of Azure SQL and NoSQL DBs like Sql Server, Cosmos DB on Azure.
19. End-to-End SSL/TLS integration for Java application.
20. Virtualization experience with VMware, Virtual Box, Hypervisor etc.
21. Working with .Net, Java, Mobile Apps Engineering team to accomplish their day to day projects.
22. Documentation around the existing and new solutions.
23. Architecting and acheiving 99.9% uptime by following best practices on Azure.

DevOps Engineer June 2018 - July 2020

Cooperative Computing Karachi, Pakistan

1. Automated Infrastructure / Resources deployments on Microsoft Azure with PowerShell scripting using ARM templates.
2. IaC with ARM templates to provision infrastructure on Azure.
3. Config Management with Ansible to deploy web server using Playbooks.
4. Infrastructure Monitoring with Application Insights and Log Analytics Workspace.
5. Assisting to upgrade, install, and configure monitoring solutions for Microsoft Azure and AWS.
6. Configured and maintaining APM, SIEM Monitoring tools such as Dynatrace, PaperTrail, NewRelic, Application Insights, Splunk.
7. Using Azure Log Analytics Queries to detect and examine ddos/brute force attacks and monitoring key metrics.
8. Building Dashboards and charts on Microsoft Azure and AWS for OPS team to monitor whole eco-system.
9. Integration of security for Mobile and web based applications with WAF, CloudFlare, APIM, NSGs and VPC for Cloud Security.
10. Monitoring Azure FaaS, PaaS and SaaS resources for different regions including US, CA and DE etc.
11. Build and Release Management with CICD tools such as Azure DevOPS, Jenkins, Git, VSTS, Maven, ANT, Gradle etc
12. Source code management with Git, GitLab and AWS code commit.
13. Alert Management on Slack/Email for deployed systems on Azure and AWS.
14. Containerization and Orchestration using Docker with custom images and Kubernetes with Pods and clusters.
15. Architecting HA/DR solutions on AWS for medium to enterprise size business with VPC, EC2, ELB, Traffic Manager, API Gateways, Cloudfront etc
16. Deployment and Configuration of Cpanel on CentOS to provide hosting services.
17. Working with .Net, ROR, Mobile Apps Engineering team to accomplish their day to day projects.
18. Working as Lead role to meet SLAs and Client requirement for successful completion of Project.
19. Managing Infra on Heruko for Mobile/Web Application of Grocery Chain Super Store at KSA.
20. Configuration, Management and Backup of SQL and NoSQL DBs like Sql Server, MySql, PostgreSql, Cosmos DB and MongoDB.
21. Virtualization experience with VMware, Virtual Box, Hypervisor etc.

Support Engineer (L2 Support) February 2016 - June 2018

Ibex Global Karachi, Pakistan

1. Working knowledge on Linux distro(s) Debian, CentOS, Ubuntu.
2. Architecting ecommerce solution on AWS with (EC2, ELB policies, S3 bucket management and separate client setup with VPC)
3. Deployment, configuration, and monitoring of call center business applications on Microsoft Azure.
4. Automation of Call Center Process.
5. Shell / Bash scripting for automated deployment of Infrastructure as Code and configuration management.
6. Build and Release Management with standalone TFS server.
7. Configuration of LAMP & LEMP stack for ecommerce websites like cake ordering system.
8. Configuration and maintenance for Mail Exchange on Linux like Postfix, Dovecot, Roundcubemail.
9. Web Based FTP client integration on Linux like pureFTP, Net2FTP.
10. Configuration and management of webservers like Apache, Ngnix and IIS.
11. Creating Environment for staging and dev testing using Docker custom images.
12. Configuring DHCP, DNS, TMG, ADDC along with some roles and features.
13. Monitor existing systems with Nagios, NMS and Solarwinds to ensure structural integrity.
14. Provide Level 2 support to the different production teams such as Software development team, CRM team and other Departments of an organization.
15. Responsible for supporting: Windows 7 / Windows 8 / Windows 10 / Windows Server Backup products, LAN and WAN, Remote access, Anti-Virus products, DNS/DHCP, TCP/IP, Ethernet, wireless router and switches.
16. Configuration of Hard phones and Soft phone such as SJ Phones, Eye Beam, Avaya/CISCO/Polycom/MiTel hard phones.

Support Analyst March 2010 - September 2017

Faizan Production Karachi, Pakistan

L1/L2 Support

Server 2008, Creating and Managing AD and User/Groups DHCP, DNS, ADC, GPO, AD Backup

Data Entry,Content search /write (About different programs airing on Channel)

# Projects

ETL for Azure July 2023 - December 2023

Tools: Node JS, Firebase, Google Cloud Platform, Github Actions, Big Query, Secret Manager

Built ETL solutions that fetches cost data from Microsoft Azure, transforms it according to requirement and loads it into Big Query. Developed code using Node JS to fetch cost data from Microsoft Azure.

Integrated several services in Google Cloud Platform to perform ETL operations effectively and smoothly.

Followed best practices to secure the solution using internal security manager and "Workload Identity Federation". Implement monitoring using stackdriver in GCP to proactively monitor the solution.

Automated infrastructure provisioning using Terraform and deployment using Github Actions. Securely integrated Big Query within Firebase function to load the transformed data.

CIAM Solution July 2020 - Present

Matas

Tools: Ansible, Azure Devops, Azure Repos, Application Gateway, Azure Firewall, NSGs, Virtual Network

1. Infrastructure Provisioning with ARM Templates
2. CICD with Azure Devops
3. Security with Application Gateway and Azure Firewall
4. Networking with Virtual Networks, Network Security Groups
5. Config Management with Ansible
6. Monitoring with Application Insights
7. Log Management with Log Analytics Workspace
8. Web Based Traffic security with WAF
9. SSL certificate installation and configuration

Automate URL September 2017 - October 2017

Ibex Global Telenor

Tools: Python, Windows Server 2012, AWS(EC2), Scripting

Automation of Client (Telenor) application opening. Running Script made on Python.

Running Instances of EC2.

Script integration for windows enviorment by making windows build.

Program Management December 2016 - May 2017

Ibex Global

Tools: Network, Server 2008/2012, VLAN, Avaya

Program Management for Offshore Clients : Square Trade, Vonage, Comcast Health Sector : Green Start, MSS, Indus Hospital

R&B : Pfizer, Dalda Groups

Telecom Sector : Mobilink, Warid, Telenor E-Commerce : OLX

Oil and GAS Sector : Total Parco, Chevron

Making and configuring Intranet / Internet , VLAN setup, Client Co-ordination, Deals with Proxy Servers, Domain Migration from Server 2008 to 2012. Scripting to Exchange for migration.