

Mohammed Uzair Mohiuddin

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PROFESSIONAL SUMMARY

To design highly scalable and fault-tolerant systems for an esteemed organization, which would be rewarding in terms of learning experience and contribute to organizational and personal growth.

EXPERIENCE

• BETSOL

Associate Site Reliability Engineer

Jan. 2021 – Present

- Automated the creation of AKS clusters using Terraform Templates.
- Worked on Terraform Cloud in order to setup Infra on Azure such as VNETs, Subnets, VMSS, KeyVaults and Created a CI/CD Pipeline for the same via Jenkins.
- Observability as Code - DataDog Alerts creation using Terraform to monitor the health of AKS nodes, Container restarts etc.
- Was involved in making hot fixes, Provided support in the roll-out and deployment of new application features to facilitate iterative development.

• KodeKloud Engineer

DevOps Engineer Nautilus, xFusionCorp

Worked as a System administrator and DevOps Engineer in a fictional company named "xFusionCorp" on their website named "kodekloud".

TECHNICAL SKILLS

- **Languages:** C, Python, Java, MySQL, JavaScript(Node.js)
- **Cloud Services:** Amazon Web Services, Azure, Google Cloud Platform
- **Version Control:** Git
- **Container Technologies:** Kubernetes, Docker, Service Meshes(Istio)
- **Monitoring Tools:** Prometheus, Grafana
- **DevOps:** Linux, Jenkins, Ansible, Terraform, Chef

EDUCATION

• Vardhaman College Of Engineering

Bachelor of Technology in Information Technology; CGPA: 9.13

Hyderabad, India

Aug. 2016 – Sept. 2020

• Oakridge International School

Intermediate: Maths, Physics and Chemistry; 90.4%

Hyderabad, India

Jun. 2013 – April. 2015

PROJECTS

• Migrating from a Relational Database to AWS DynamoDB

AWS DMS, AWS EC2, AWS DynamoDB

- The goal of this project was to migrate a normalized relational database to an Amazon DynamoDB table in order to optimize on cost savings.
- The various tasks involved were investigating the source database(relational), designing the data model and creating the DynamoDB table, creating the DMS task mapping rules and finally testing the access patterns.

• WordPress Deployment to AWS using Ansible and Terraform

AWS IAM, VPC, S3, Route53, ELB, ASG, RDS, Ansible and Terraform

- Deployed a wordpress blog in order to understand the interactions between various AWS services and used infrastructure orchestration tools to automate the deployment through scripts and minimize manual work.

• AWS Site-to-Site VPN

AWS EC2, AWS VPC

- Simulated an AWS Site-to-Site VPN connection using 2 AWS VPC's in different regions altogether.
- The simulation was carried out by installing and configuring a software-based customer VPN gateway running on EC2 instance. Openswan was used as the VPN solution as it provides a complete IPsec implementation.

- **Monitoring Kubernetes Applications using Prometheus and Grafana**

- *Kubernetes, Prometheus, Grafana*

- Installed and configured prometheus and grafana in a kubernetes cluster.
- Setup some basic grafana dashboards to chalk out application specific as well as cluster specific performance details.
- Prometheus was used to collect raw data from the cluster whereas Grafana was used to display graphs, heatmaps etc.

CERTIFICATIONS

- Certified Kubernetes Security Specialist
- Microsoft Certified - Azure Administrator Associate
- AWS-Certified Solutions Architect Associate Level
- Certified Kubernetes Administrator
- HackerRank-REST API(Intermediate Level)
- Coursera-Specialization Certification- Cloud Architecture with Google Cloud
- Scored **170/190** in *Cambridge Business English Certificate - Vantage Level*
- Database Management Systems and Cloud Computing certified by NPTEL