

## Mohammed Shahbaaz S

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### Education

#### UNIVERSITY OF TEXAS AT ARLINGTON

Masters in Information Systems/Science [3.66 GPA]

Relevant Coursework: Design and Analysis of Algorithms, Applied Database Design, Programming in Python, Data Warehouse and Business Intelligence, Project Management

ARLINGTON, TX

Anticipated Fall 2024

#### OSMANIA UNIVERSITY

Bachelor of Science in Computer Engineering

HYD, INDIA

May 2019

### Experience

#### Red Piranha

DevOps Security Engineer

Remote

March 2022 — Jan 2023

- Designed and implemented Crystal Eye VM in **AWS and Azure**, enhancing security measures and reducing potential vulnerabilities in the cloud infrastructure.
- Deployed Elasticsearch based DSIEM with Kafka connectors, enabling real-time monitoring and analysis of security logs, resulting in a **20% reduction in mean time to detect security incidents**.
- Optimized performance of Elasticsearch cluster on Vsphere VM's by implementing **ILM policies and scaling**, resulting in a **15% improvement** in search query response times.
- Designed pipelines for developers and infrastructure as code in gitlab with **terraform**
- Increased **testing and deployment cycles by 10 %** by using automated testing with postman/Newman
- Visualized **K8 architecture** with Kubelens and integrated distributed tracing via Jaeger to detect network bottlenecks

#### Vamstar

Senior DevOps Engineer

Remote

Jan 2022 — May 2022

- Architected and lead DevOps Efforts with CTO's office, **optimising cost and infra creation time by 20 %**
- Use Serverless framework across **multiple AWS accounts for Infra Creation and Serverless Architecture**
- Created Production grade pipelines in CircleCI inline with DRY Principles with roll back, lint, Quality checks etc
- Advocate for **Well Architected design**, Proposed **Terraform** for maintaining infra state and resource creation.

#### Appexon

Site Reliability Engineer

Remote

March 2021 — Jan 2022

- Optimized ELK stack for Cost savings with Right sizing and Index rotation policies **saving 10 % on Cost**
- Used CloudFormation for creating subnets, security groups, Entire **ECS Cluster across 3 Environments**
- Developed pipelines with **Fastlane and Jenkins** that deploys to Playstore,iOS App store that **reduces manual Efforts by 30%**
- Integrated tools like **Snyk, owasp zap, sonarqube and Appknox** for vulnerabilities scanning in the Build and release process
- Active member of **Cloud Centre of Excellence in the GCP Practise**
- Migrate / Deploy infrastructure to google cloud for a healthcare client.
- Helping customers with **core K8s platform deployments on GCP** . Build and deploy K8s clusters (managed, Auto pilot) based on opinionated terraform modules for the enterprise Implementation and deployment of Kubernetes on GKE, GCE
- Use cloud foundation toolkit and google's best practises for layer deployment of infrastructure with terraform

#### NTT DATA

Associate Software Developer(Software Engineer Intern)

Hyd, India

Jan 2019 — March 2021

- Automated the logging from cloud watch to opensearch filter/subscription pattern which yielded **20% more cost savings**
- Create **python lambda function** to automate index policies in Elasticsearch/Opensearch
- Wrote **python scripts** to automate creation and closure of Service now request in Azure DevOps
- Wrote **python infra bot** that scan aws accounts and automate tasks like bucket cleanup, tagging, Iam unused user's etc, this **increased compliance self service by 40 percent**
- Wrote infrastructure as code in python with **AWS CDK and boto3**, this poc resulted in streamlined Disaster Recovery and Redundant AWS account deployment time by 20 percent

### Leadership & Activities

- IEEE Computer Society Chairperson and Treasurer of IEEE Student Chapter for the academic year 2018 -2019

### Skills & Certifications

**Virtualization/Cloud:** Amazon Web Services, AZURE, GCP & VMWARE Vsphere

**Languages:** Python, C, C++, Helm Charts, YAML, Jenkins pipelines, Terraform HCL

**Frameworks, Tools :** Kubernetes CKA, Serverless Framework, GCloud CLI,AWS CLI, Jenkins, Bash, Ansible, Azure DevOps

**Certifications:** Certified Terraform Associate, Google Cloud Certified Professional Architect, AZ 900, AWS Cloud Practioner