

TerraStax

Customized Infrastructures

- Qaif Shaikh

Modern Cloud Applications

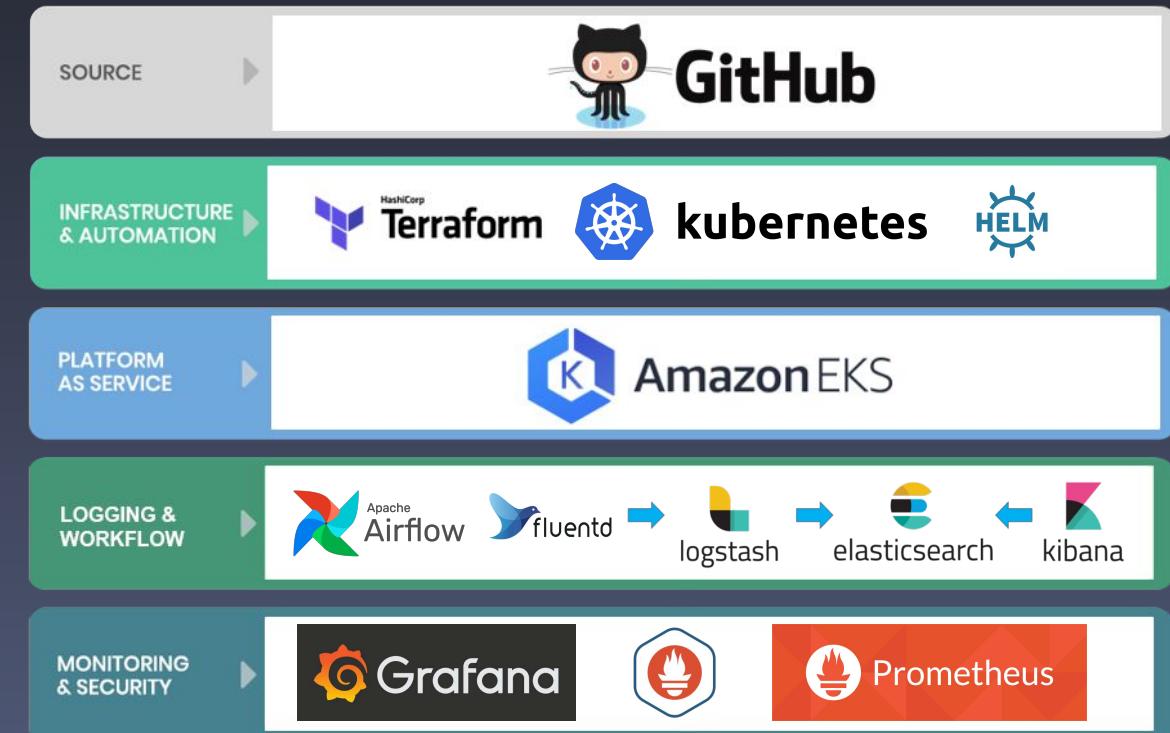
- Highly Complex
- Distributed Computing
- Agility & Velocity
- Maintenance
- Resource Management
- End to End Solution



S O L U T I O N

TerraStax

Referential Infrastructures



TerraStax

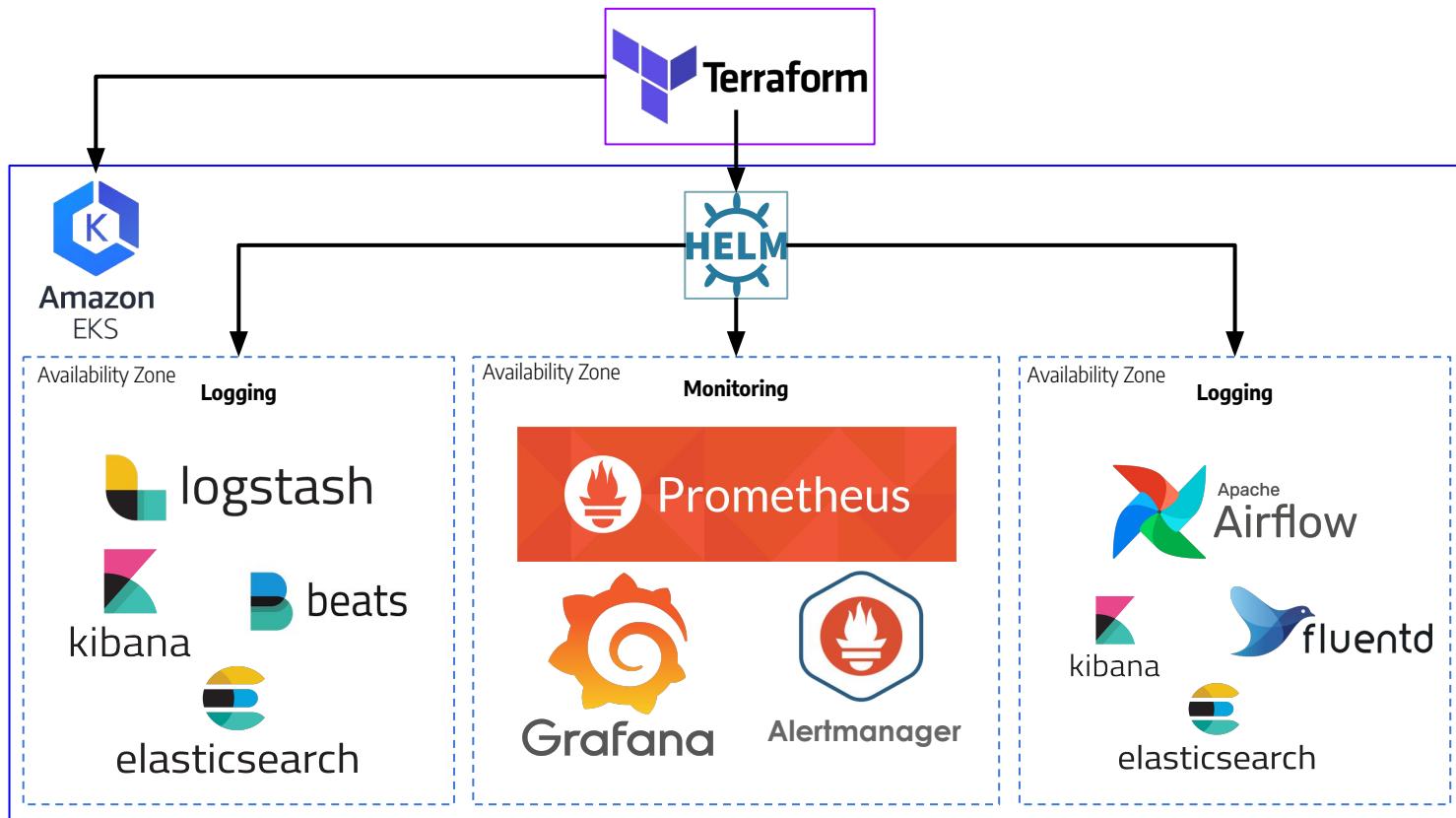


Multi-Region
One-Click Deployments

Open Source Infrastructure



Project Infrastructure



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Demo

Don't Blink!

Engineering Challenges

48 hours

88 hours

112 hours

152 hours

Terraform - AWS EKS

Terraform - Helm Charts

Monitoring Stack

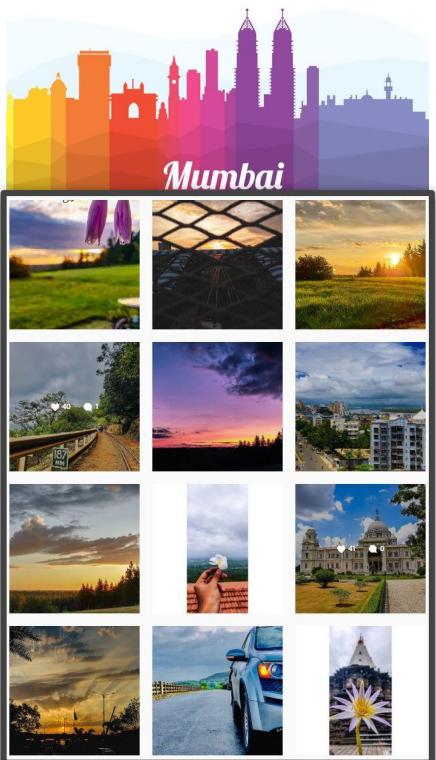
Logging Stack

Using Terraform to create VPCs, Subnets, IAM Roles, Security Groups and Deploy EKS clusters on AWS

Researching, Studying and Deploying Helm Charts separately on the EKS clusters using Terraform

Configuring Prometheus, Alertmanager and Grafana to monitor the target pods, nodes and clusters

Configuring Elasticsearch, Logstash, Kibana, Fluentd, Metricbeat and Airflow to communicate with each other



Qaif Amaan Shaikh



Photography - Gaming - Editing - Anime



Think
Positive

Links to Connect!

Email

- qaifmz@gmail.com

LinkedIn

- <https://www.linkedin.com/in/qaifamz/>

GitHub

- <https://github.com/qaifmz>

Project Repo

- <https://github.com/qaifmz/terrastax>

Demo Link

- [TerraStax Demo](#)