Application Url: https://atc.servicedx.com/

Grafana Url: https://grafana-atc.servicedx.com/

Prometheus Url: https://prometheus-atc.servicedx.com/

**Setting Up Kubernetes-Based Application Deployment in AWS**

**Steps:**

1. **Created VPC and EKS Using Terraform**
   * Provisioned a Virtual Private Cloud (VPC) and Elastic Kubernetes Service (EKS) cluster using Terraform scripts for infrastructure as code.
2. **Created Dockerfile for a Static Web Application**
   * Developed a simple static web application with an index.html file.
   * Built the Docker image from the Dockerfile, tagged it, and pushed it to Docker Hub.
3. **Configured Kubernetes Components**
   * Created a StorageClass file to manage storage resources in the cluster.
   * Installed the AWS Load Balancer Controller to support services requiring external load balancing.
   * Deployed application manifests, Grafana, and Prometheus using Helm charts for monitoring.
   * Configured Ingress resources for routing traffic to the applications.
4. **Set Up Domain and SSL Certificates**
   * Requested SSL/TLS certificates for the applications using AWS Certificate Manager (ACM).
   * Configured a custom domain name for the applications in Route53.