Stages:

Stage 1> Github Repo for Source code

Stage 2 > Flask API Dockerfile for Containerize Flask App

Stage 3 > Bash Script:

- Terraform provisioning

- Build Docker Image

- Push to AWS ECR

- Trigger ECS Deployment

- Health Check

Stage 4 > AWS Elastic Container Registry to store docker images

Stage 5 > AWS ECS Cluster (Fargate) for Runs Flask containers

Stage 6 > Application Load Balancer for Routes traffic, performs health checks

Stage 7 > End Users / Clients for Access Flask API via ALB DNS