

Stack used

1. IaC - Terraform
2. Application - Python - Django
3. Docker

AWS Services used

1. ECS
2. IAM role for ECS
3. RDS - Postgres
4. LB for Frontend of ECS
5. SSM Parameter Store for secrets

Reason for the mentioned stack used

Terraform – It is an open-source tool which has wide range of documentation, and it is provider flexible which means we can integrate multi providers.

Python (Django) – I love exploring new technologies, I used this assignment opportunity to explore more about Django and built a simple application.

Docker – To deploy the app, which is independent of the environment we need containerization, so I have used docker for it.

Architecture Diagram

