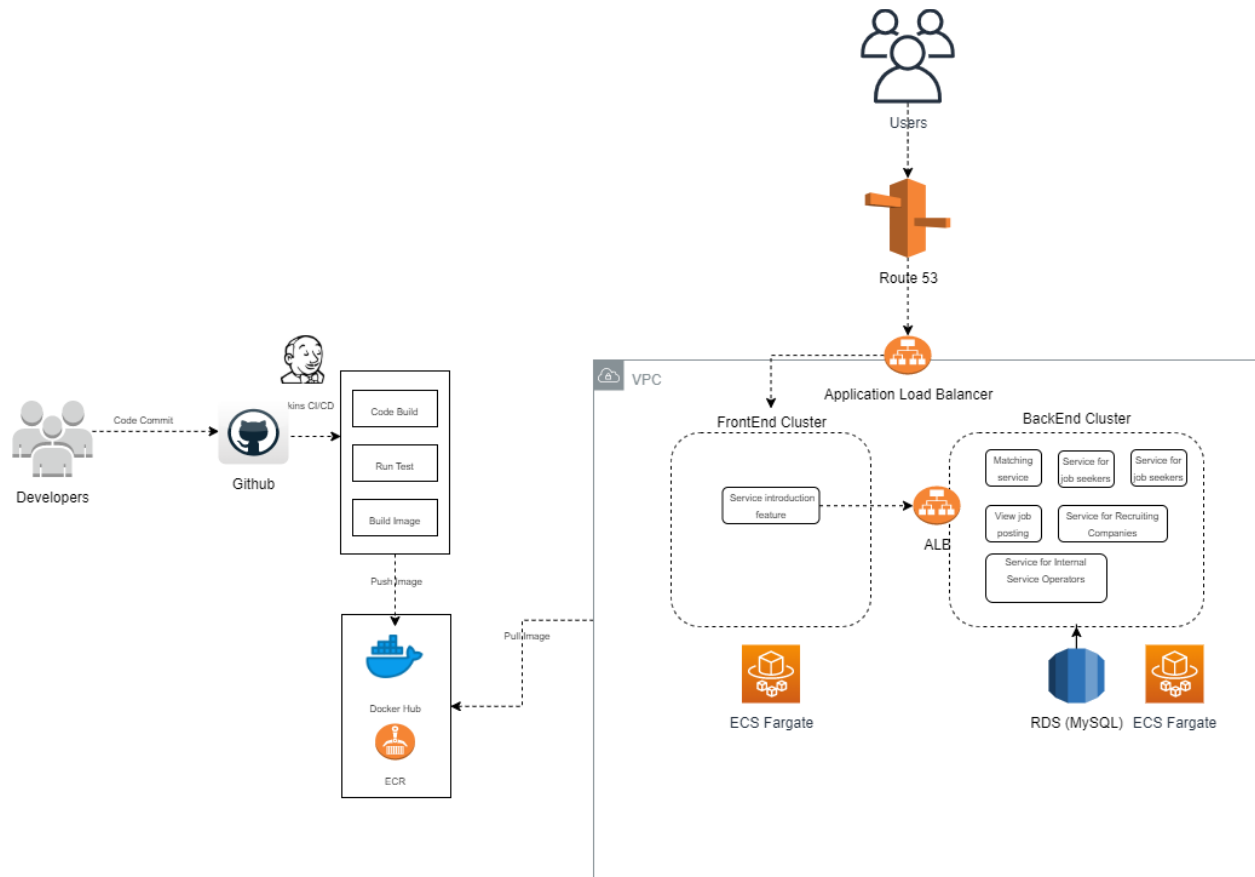**Create a system infrastructure draft using AWS services and middleware using diagrams and text.**

Consider applying CI / CD and ensuring scalability and availability

Please explain in a sentence why you chose such a configuration.

For this configuration, my proposal is to enable the developers deploy the architecture using CI/CD of microservices in AWS. To push their code to run, test and continuously deploy to this environment.

What additional questions should you ask PO in the future to design better? If you have, please describe it

For future deployment, I would reconsider creating Cloud Formation Templates for automation of deployments.

Explanation of why those was used

▪ **AWS services and middleware to be used and the reasons for selection**

For AWS Service

ECS Fargate

- This service is can run without provisioning, managing and scaling servers or clusters
- Highly Available

Application Load Balancer

- For distribution of traffic and increases availability of your application

Route 53

- To direct the traffic into environment

ECR

- A container registry to deploy docker image

Middleware

Gitlhub

- Free Public Code Repository for CI/CD deployment

Jenkins

- For automation of task to build, run and deploy continuously

Docker Hub

- To upload docker container image