

## Infrastructure Section:

The candidate will have to provide a code and demo a solution to build, configure and host a test application in AWS.

### Tools:

- nodejs v12+
- terraform
- aws
- mysql
- docker

## Tutorial Application:

Code: <https://github.com/bezkoder/vue-js-node-js-express-mysql>

This is a Node.js - MySQL dummy application

To build follow instructions in [README.md](#)

Database configuration is app/config/db.config.js

## Task

As a devops engineer I'd like to write a terraform module to host the Tutorial Application in an AWS ECS environment behind a LoadBalancer. Including CI/CD to build after a commit to release branch.

## Requirements:

1. Dockerfile
2. Terraform should take care of spinning up all infrastructure required to host the application. Including VPC, RDS, etc.
3. Load Balancer on top of the ECS cluster
4. Deployment Pipeline
5. Provide a local environment for developers to test their code
6. Anything else candidate considers required to support a Production workflow

## Deliverables:

1. Git repository with IaC
2. Instructions on how to setup the environment locally and in AWS
3. Demo the solution to the interviewer