You are tasked to showcase your DevOps Skills with this test assessment.

If you have any questions, reach to your lead recruiter representative for further assistance.

**The premise**

You are a DevOps lead working for a company that is mainly delivers solutions via the Amazon AWS stack.

One of the developers working in your organization is looking to develop a simple Python API. He has identified the following Flask repo:

<https://github.com/mransbro/python-api>

**The ask**

1. To containerize the Flask API
2. To build Infra to deploy the app using ECS. You can:
   1. Use Terraform.
   2. Alternative to use AWS cloudformation.
3. Create a bash script for deployment to AWS (build and push to ECR) with a health check.
4. Provide a simplified playbook (with arch diagram), demonstrating what you have delivered.

**Background**

1. Terraform is by Hashicorp. Can deploy to different clouds.
2. Cloudformation is specific to Amazon AWS.
3. CM = Configuration Management. Products examples are Puppet and Chef.
4. Terraform and CloudFormation are more orchestration and management tools. You can use them to do Infrastructure as Code.
5. While CM tools are good for bootstrapping and initializing resources, you can use tools such as Terraform and Cloudformation to create the underlying infrastructure components and services and then use the CM/automation ones to take care of application-level configurations..