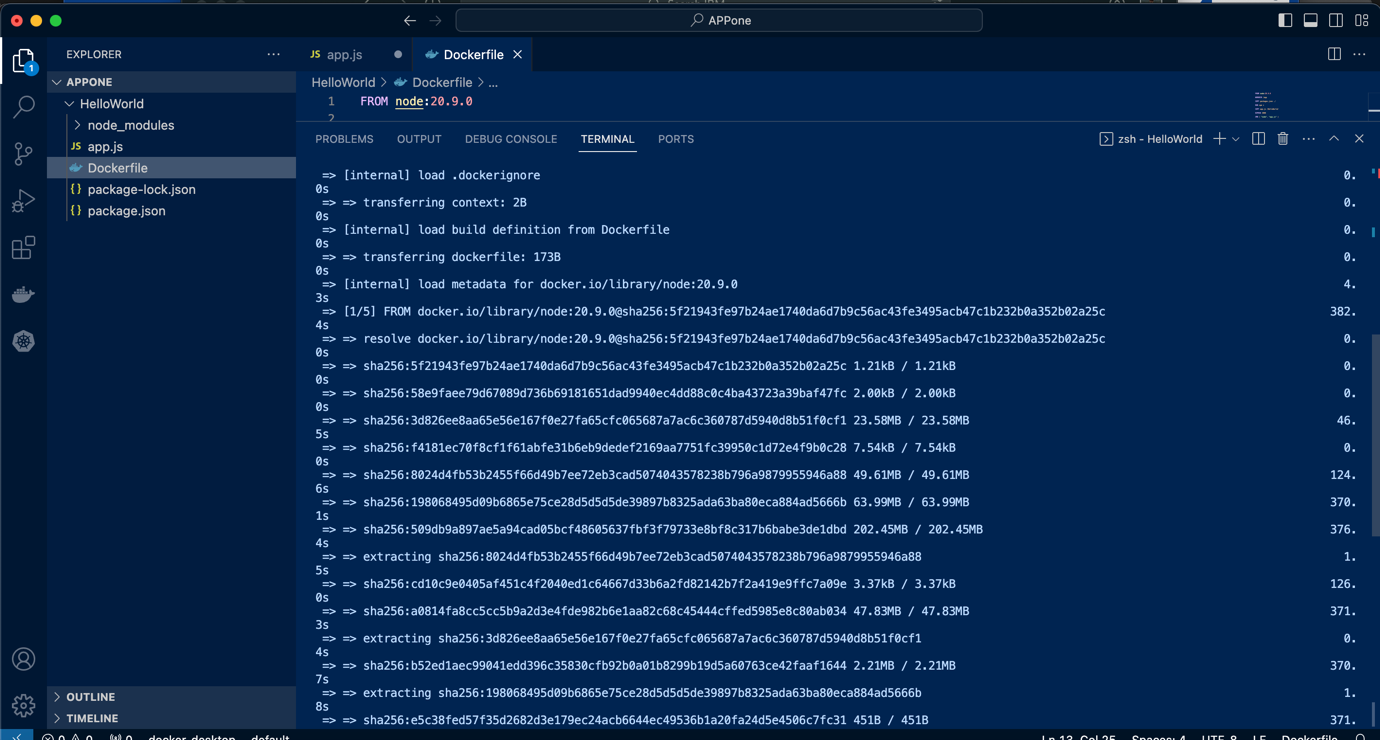
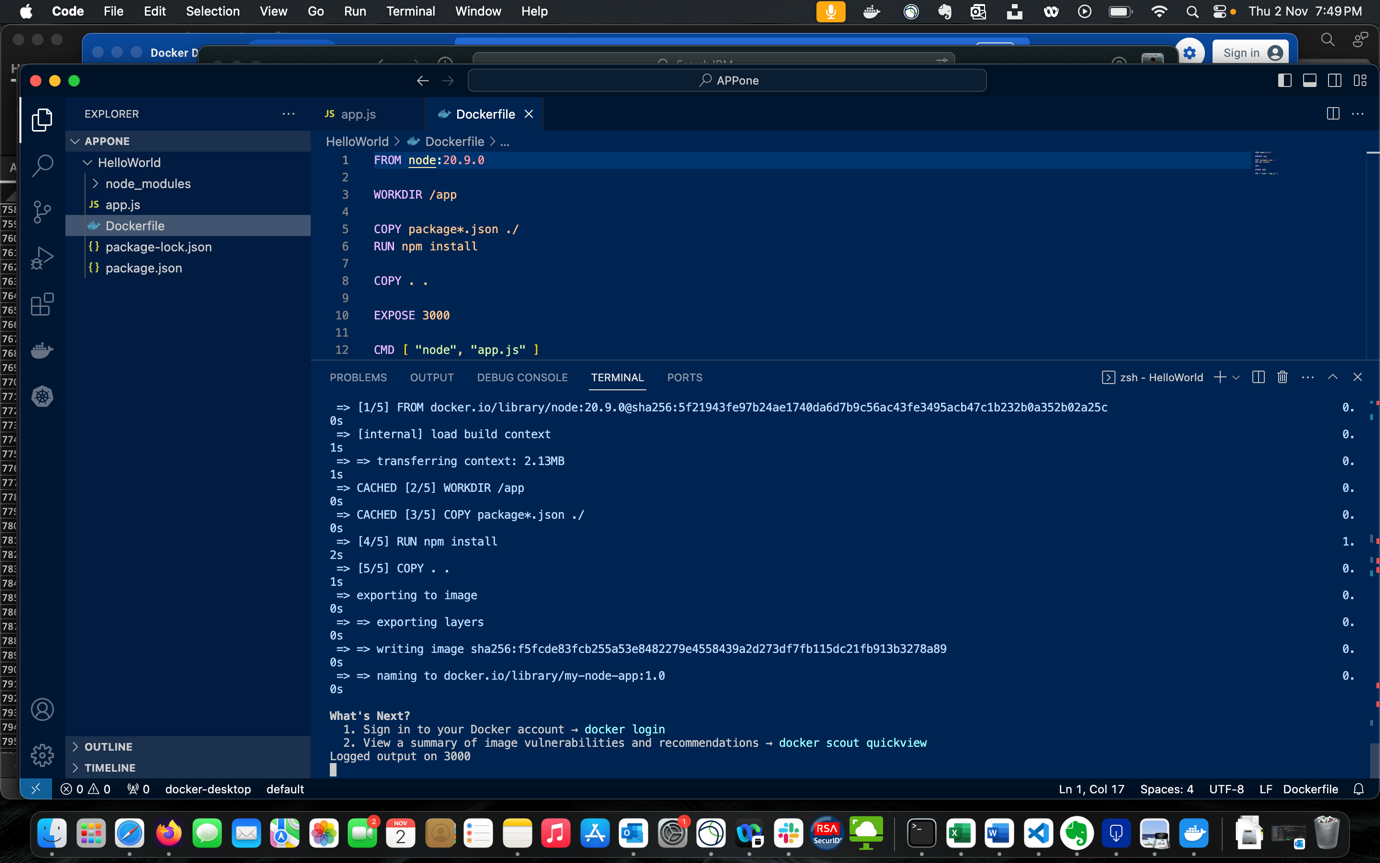
APPONE: HelloWorld

With installing and configured Docker & Kubernetes in local

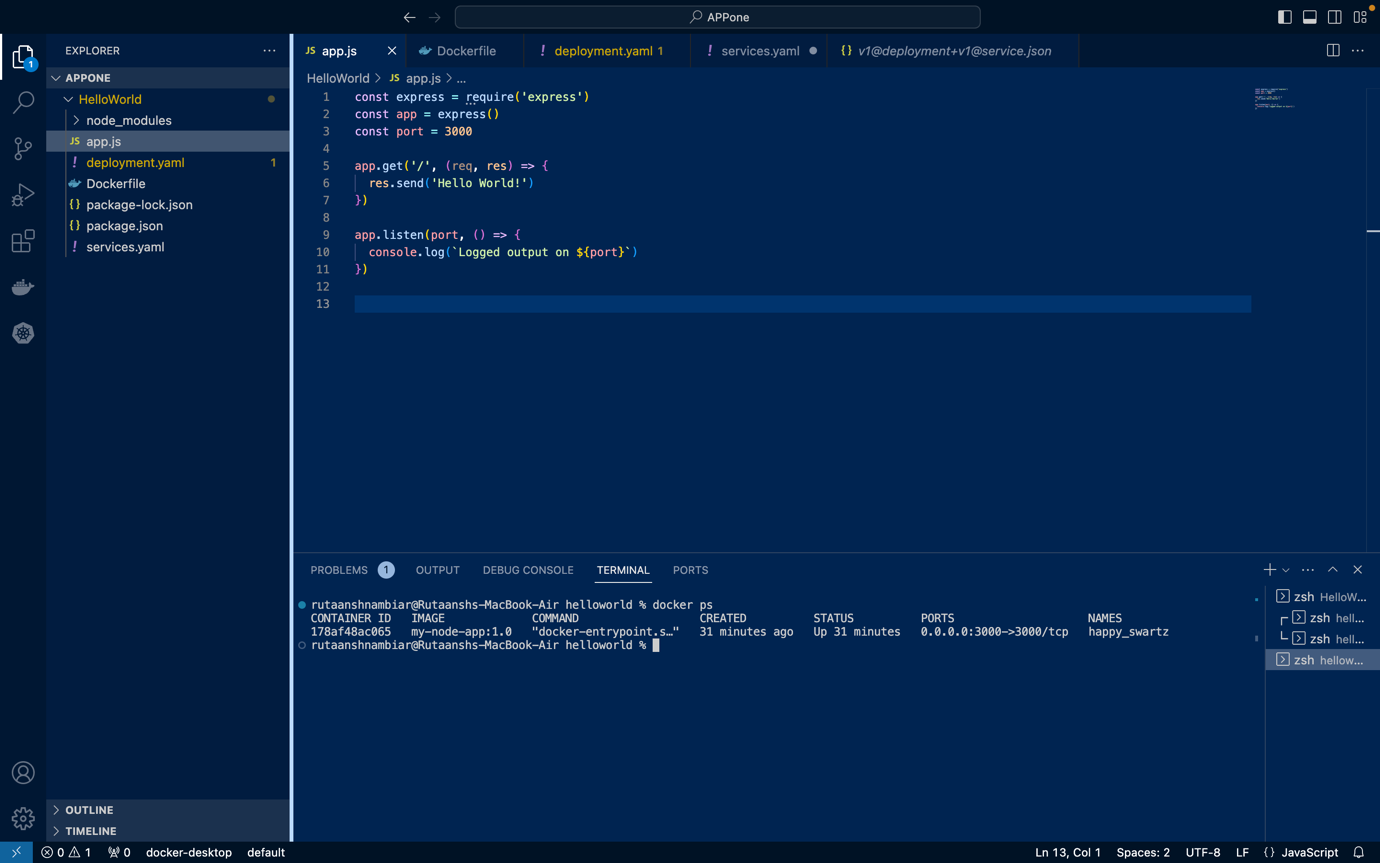
Docker build:



Docker run:



Container status using docker:

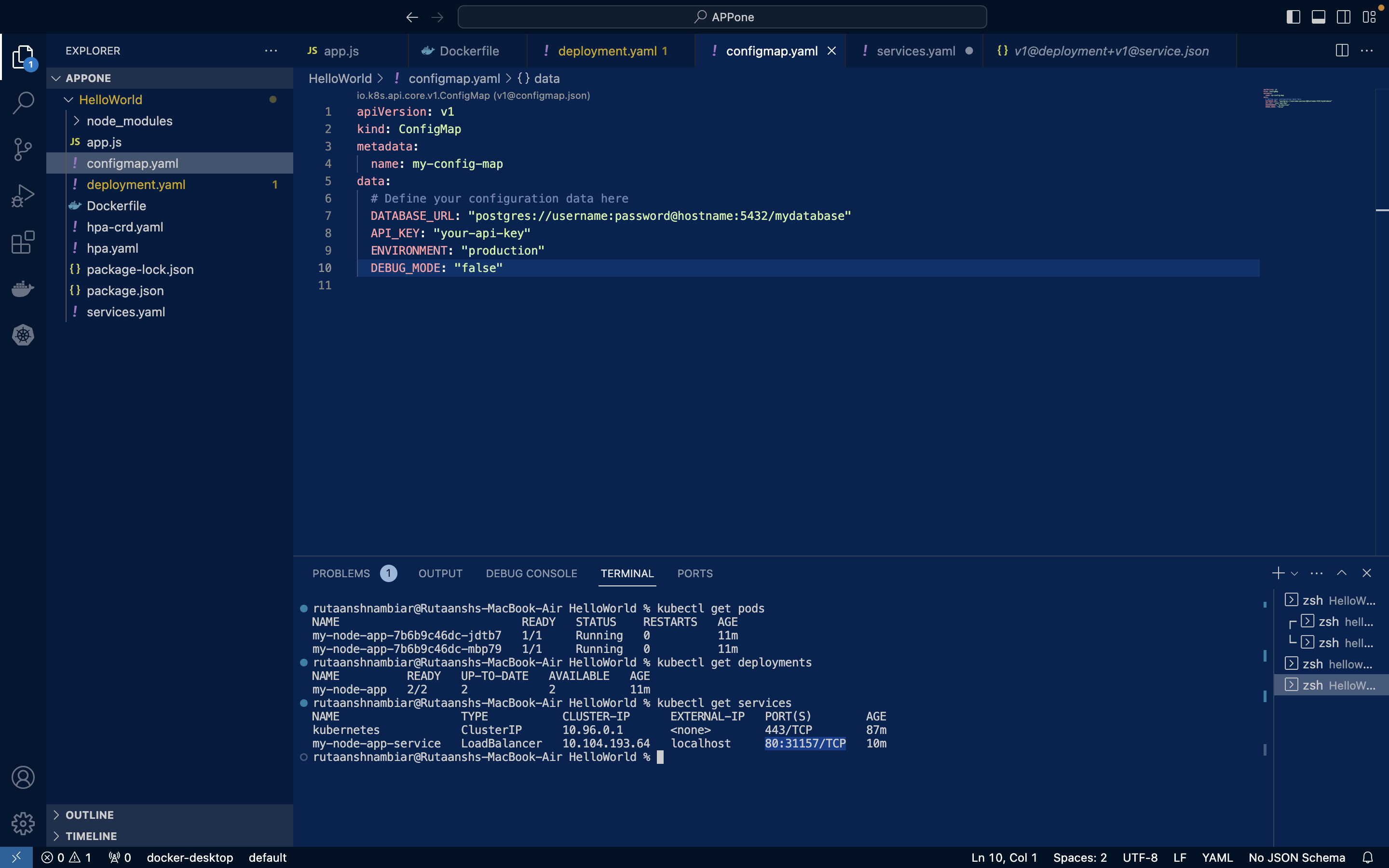


Deployment using K8’s:

A screenshot of a computer program

Description automatically generated

Pods status and running ports:



Output:

A screenshot of a computer

Description automatically generated

* Scaling:

Kubernetes services provides features for pods scaling via command: “kubectl scale “

Or replicas in yaml could be modified as well.

Additionally, Horizontal Pod Scaling could automate the scaling via hpa.yaml

* Security:

Kubernetes services provides feature “ Secrets” to store sensitive information such as API keys and passwords.

Secrets.yaml

apiVersion: v1

kind: Secret

metadata:

name: my-secret

data:

secret-key: c2VjcmV0LXZhbHVl