```
● ● ●                📁 Microservices Orchestration — -zsh — 80×24

Last login: Sun Mar 23 14:23:24 on ttys000
alveera@Alveeras-MacBook ~ % docker --version
minikube version
kubectl version --client

Docker version 27.4.0, build bde2b89
minikube version: v1.35.0
commit: dd5d320e41b5451cdf3c01891bc4e13d189586ed
Client Version: v1.30.5
Kustomize Version: v5.0.4-0.20230601165947-6ce0bf390ce3
alveera@Alveeras-MacBook ~ % minikube start

😄   minikube v1.35.0 on Darwin 14.6.1 (arm64)
✨   Automatically selected the docker driver. Other choices: virtualbox, vmware,
  ssh
📌   Using Docker Desktop driver with root privileges
👍   Starting "minikube" primary control-plane node in "minikube" cluster
🚜   Pulling base image v0.0.46 ...
💾   Downloading Kubernetes v1.32.0 preload ...
    > preloaded-images-k8s-v18-v1...:  314.92 MiB / 314.92 MiB  100.00% 1.66 Mi
    > gcr.io/k8s-minikube/kicbase...:  452.84 MiB / 452.84 MiB  100.00% 1.74 Mi
🔥   Creating docker container (CPUs=2, Memory=2200MB) ...
🐳   Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
    ▪ Generating certificates and keys ...
```

```
● ● ●                📁 Microservices Orchestration — -zsh — 80×24

minikube    Ready    control-plane    54s    v1.32.0
alveera@Alveeras-MacBook ~ % cd ~/My-Docker-Projects
alveera@Alveeras-MacBook My-Docker-Projects % mkdir "Microservices Orchestration
"
cd "Microservices Orchestration"

alveera@Alveeras-MacBook Microservices Orchestration % mkdir microservice1 micro
service2

alveera@Alveeras-MacBook Microservices Orchestration % cd microservice1
alveera@Alveeras-MacBook microservice1 % touch Dockerfile

alveera@Alveeras-MacBook microservice1 % nano Dockerfile

alveera@Alveeras-MacBook microservice1 % touch requirements.txt
alveera@Alveeras-MacBook microservice1 % nano requirements.txt
alveera@Alveeras-MacBook microservice1 % touch app.py
alveera@Alveeras-MacBook microservice1 % nano app.py
alveera@Alveeras-MacBook microservice1 % touch deployment.yaml
alveera@Alveeras-MacBook microservice1 % nano deployment.yaml
alveera@Alveeras-MacBook microservice1 % touch service.yaml
alveera@Alveeras-MacBook microservice1 % nano service.yaml
alveera@Alveeras-MacBook microservice1 % cd microservice2
cd: no such file or directory: microservice2
```

```
alveera@Alveeras-MacBook microservice1 % mkdir -p ../microservice2

alveera@Alveeras-MacBook microservice1 % cd ../microservice2

alveera@Alveeras-MacBook microservice2 % touch Dockerfile                    ]
alveera@Alveeras-MacBook microservice2 % nano Dockerfile                     ]
alveera@Alveeras-MacBook microservice2 % touch app.py                        ]
alveera@Alveeras-MacBook microservice2 % nano app.py                         ]
alveera@Alveeras-MacBook microservice2 % touch requirements.txt              ]
alveera@Alveeras-MacBook microservice2 % nano requirements.txt               ]
alveera@Alveeras-MacBook microservice2 % touch deployment.yaml               ]
alveera@Alveeras-MacBook microservice2 % nano deployment.yaml                ]
alveera@Alveeras-MacBook microservice2 % touch service.yaml

alveera@Alveeras-MacBook microservice2 % nano service.yaml                   ]
```

🗂 **Microservices Orchestration — -zsh — 80×24**

```
alveera@Alveeras-MacBook Microservices Orchestration % ls

microservice1    microservice2
alveera@Alveeras-MacBook Microservices Orchestration % eval $(minikube docker-en
v)  # Ensure Minikube's Docker is used

docker build -t microservice1 ./microservice1
docker build -t microservice2 ./microservice2

[quote>
alveera@Alveeras-MacBook Microservices Orchestration % kubectl apply -f microser
vice1/deployment.yaml
kubectl apply -f microservice1/service.yaml
kubectl apply -f microservice2/deployment.yaml
kubectl apply -f microservice2/service.yaml

deployment.apps/microservice1 created
service/microservice1-service created
The Deployment "microservice1" is invalid: spec.template.metadata.labels: Invali
d value: map[string]string{"app":"microservice2"}: `selector` does not match tem
plate `labels`
service/microservice2-service created
alveera@Alveeras-MacBook Microservices Orchestration % kubectl get pods
```

🗂 **Microservices Orchestration — -zsh — 80×24**

```
alveera@Alveeras-MacBook Microservices Orchestration % kubectl get pods

NAME                          READY   STATUS        RESTARTS   AGE
microservice1-5796b8f8d8-4d9ms  0/1   ErrImagePull  0          11s
microservice1-5796b8f8d8-mbzj7  0/1   ErrImagePull  0          11s
```