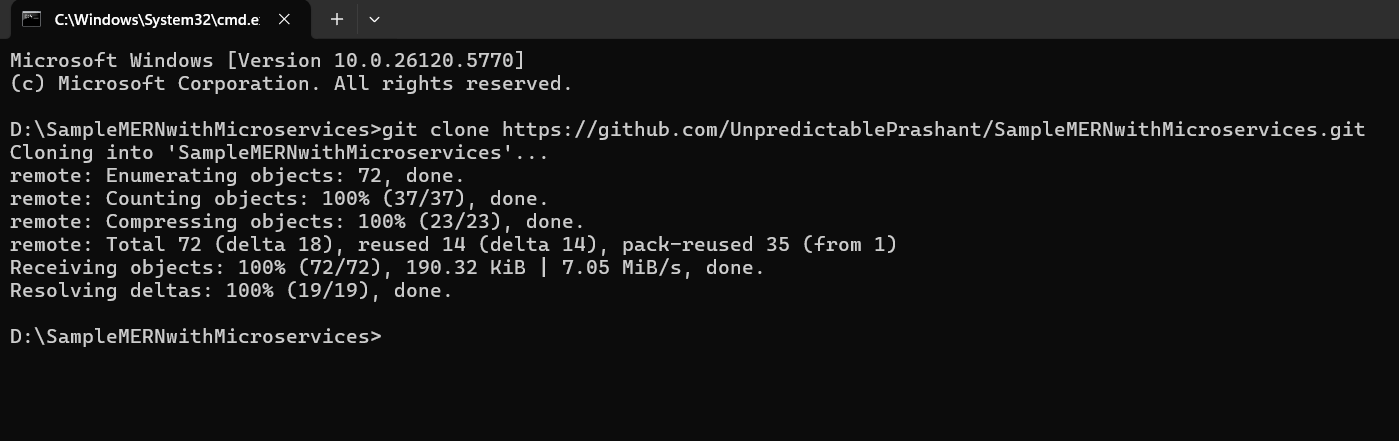
1) Clone the app locally

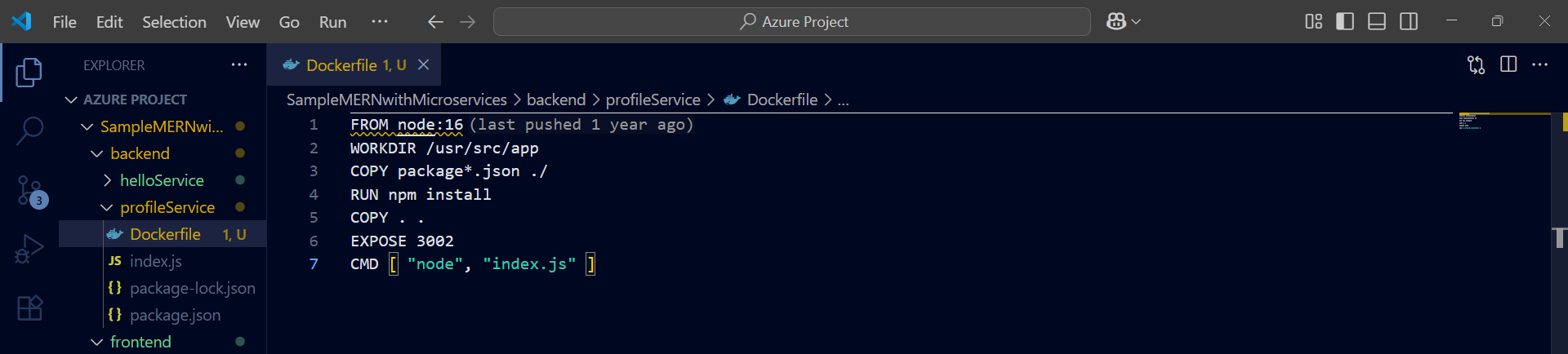


2) **Create Dockerfiles:**

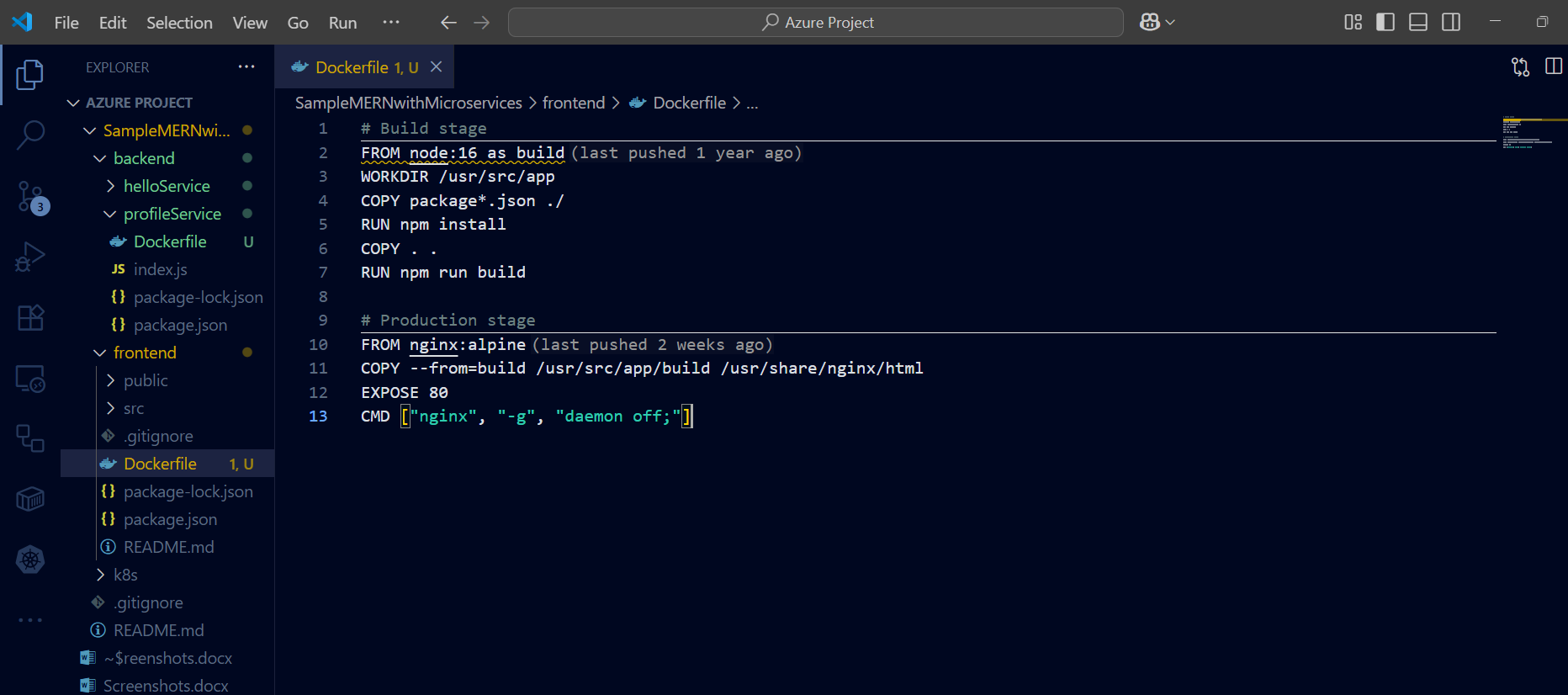
**Backend/helloService/Dockerfile:**

****

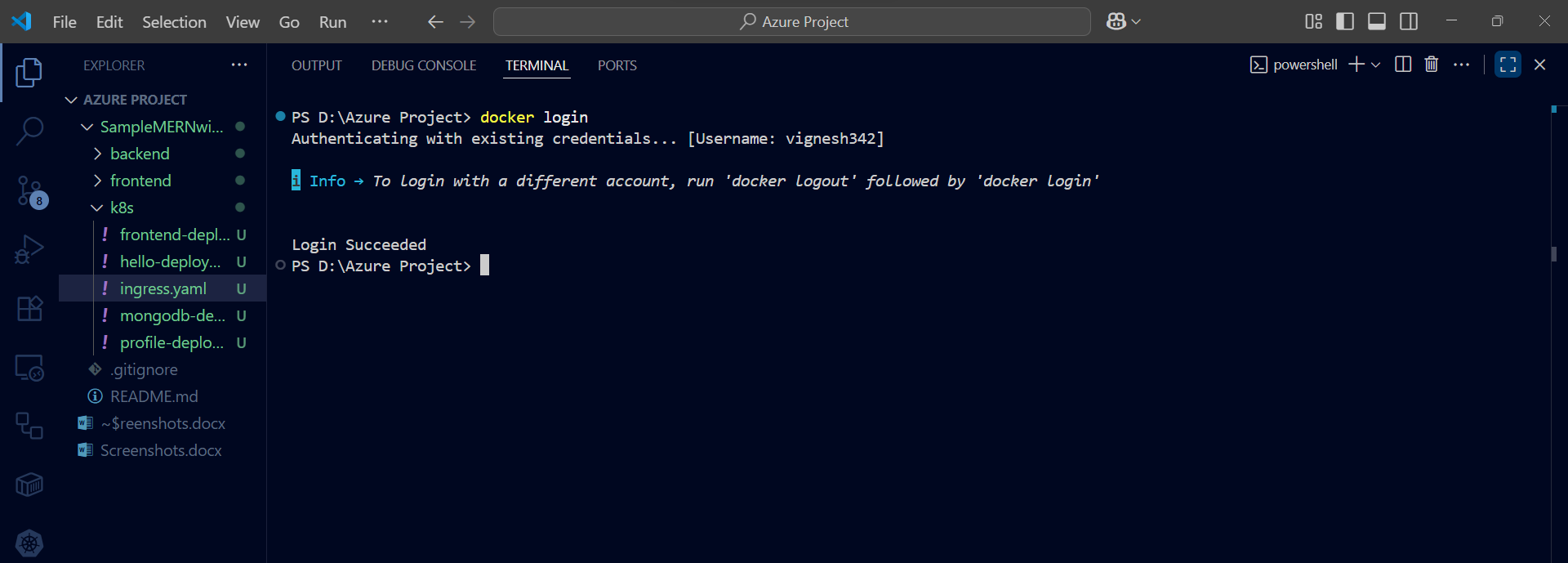
**Backend/profileService/Dockerfile:**

****

**frontend/Dockerfile:**

****

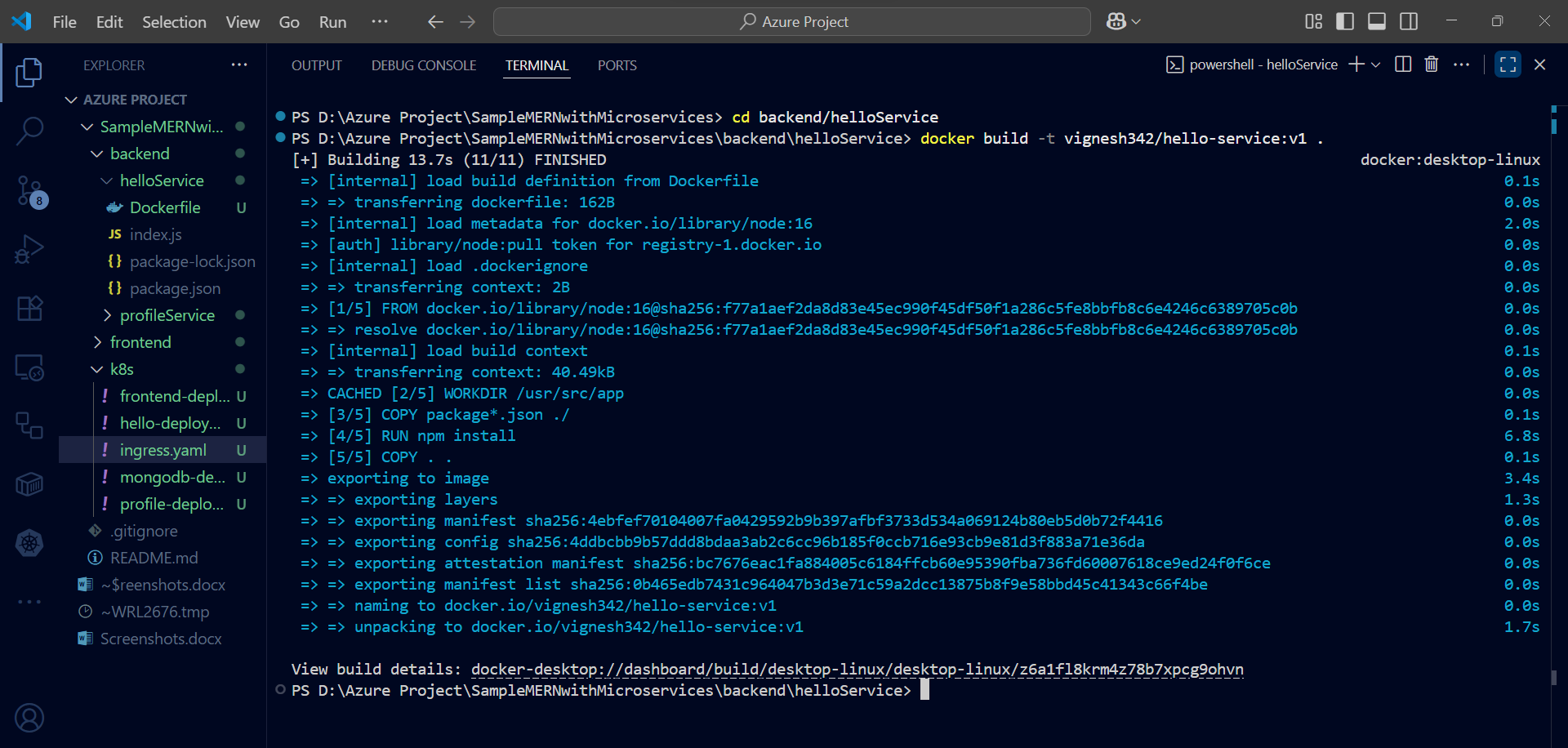
**Step 3: Log in to Docker Hub**

****

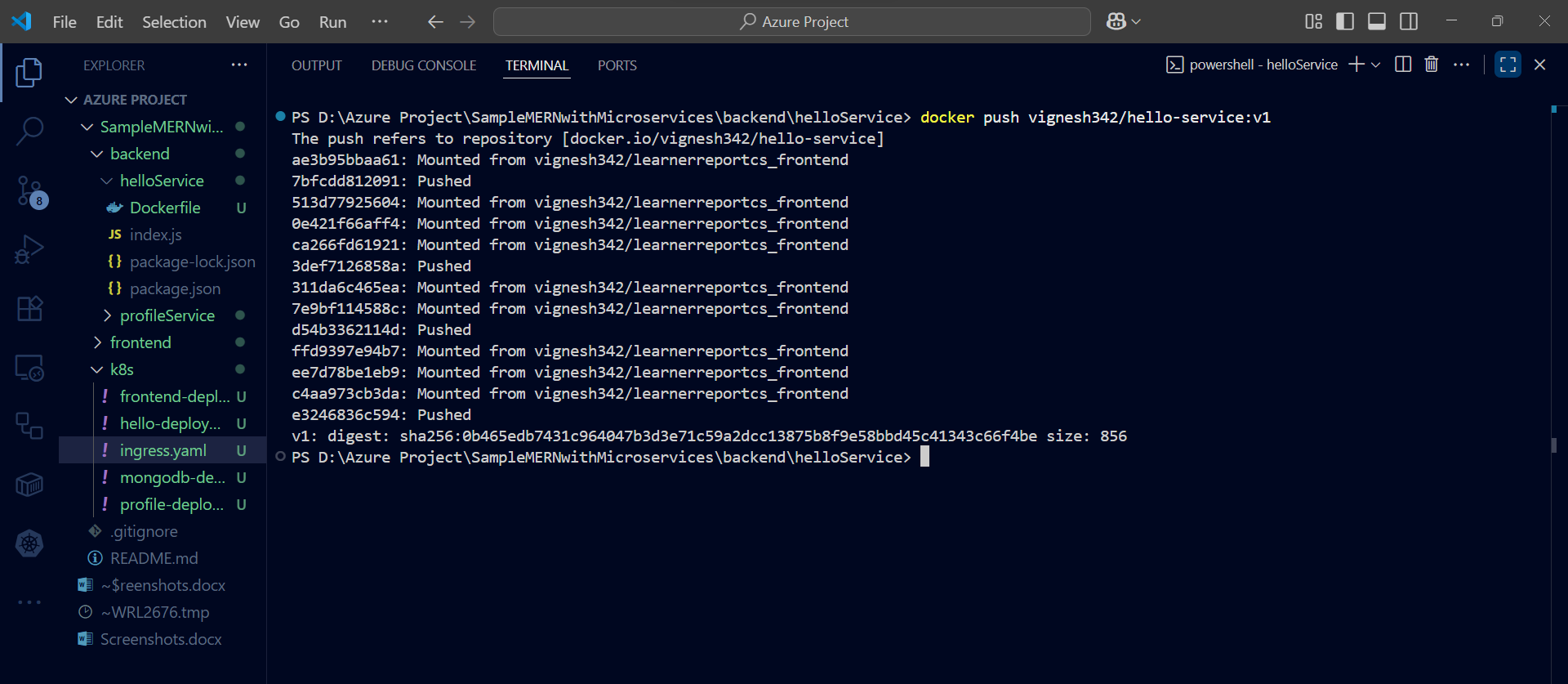
**Step 4: Build & Tag Docker Images**

**helloService:**

**docker build -t vignesh342/hello-service:v1 .**

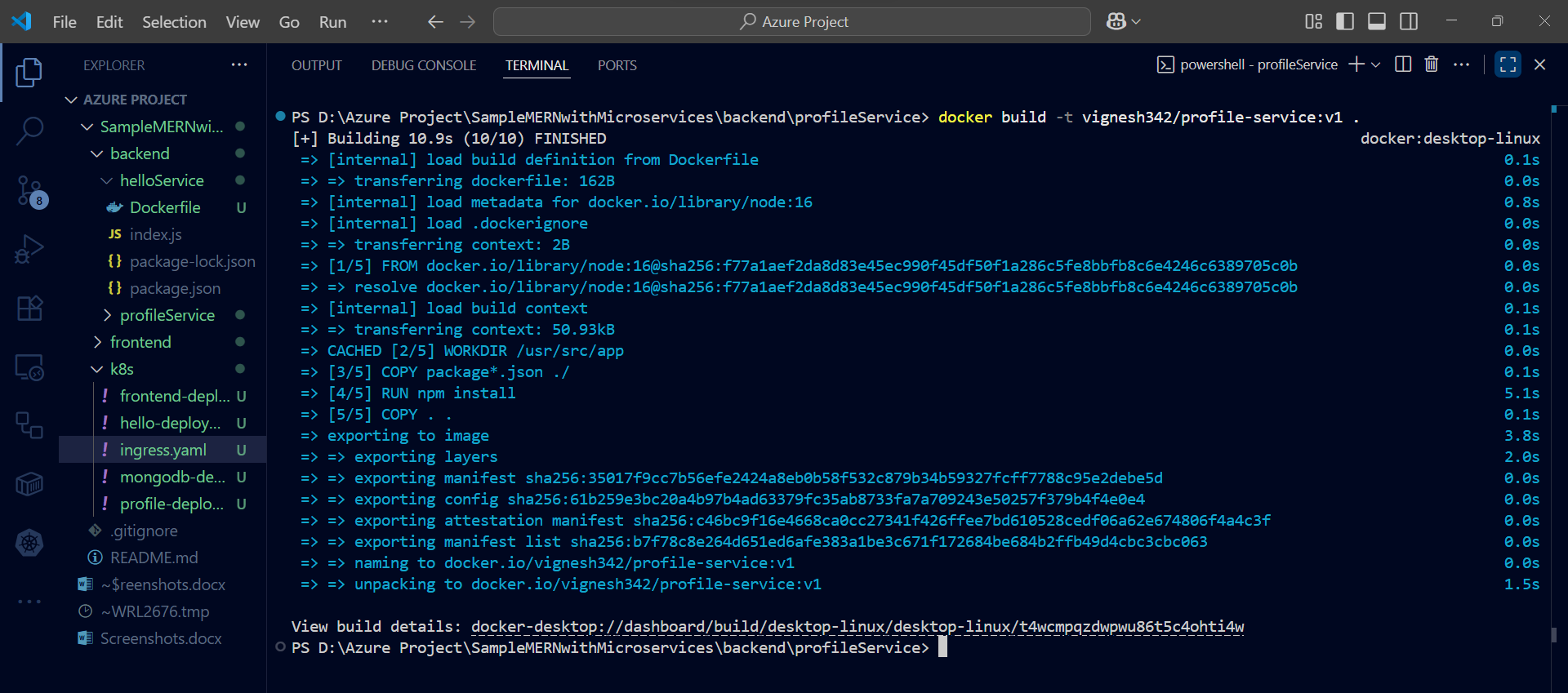
****

**docker push vignesh342/hello-service:v1**

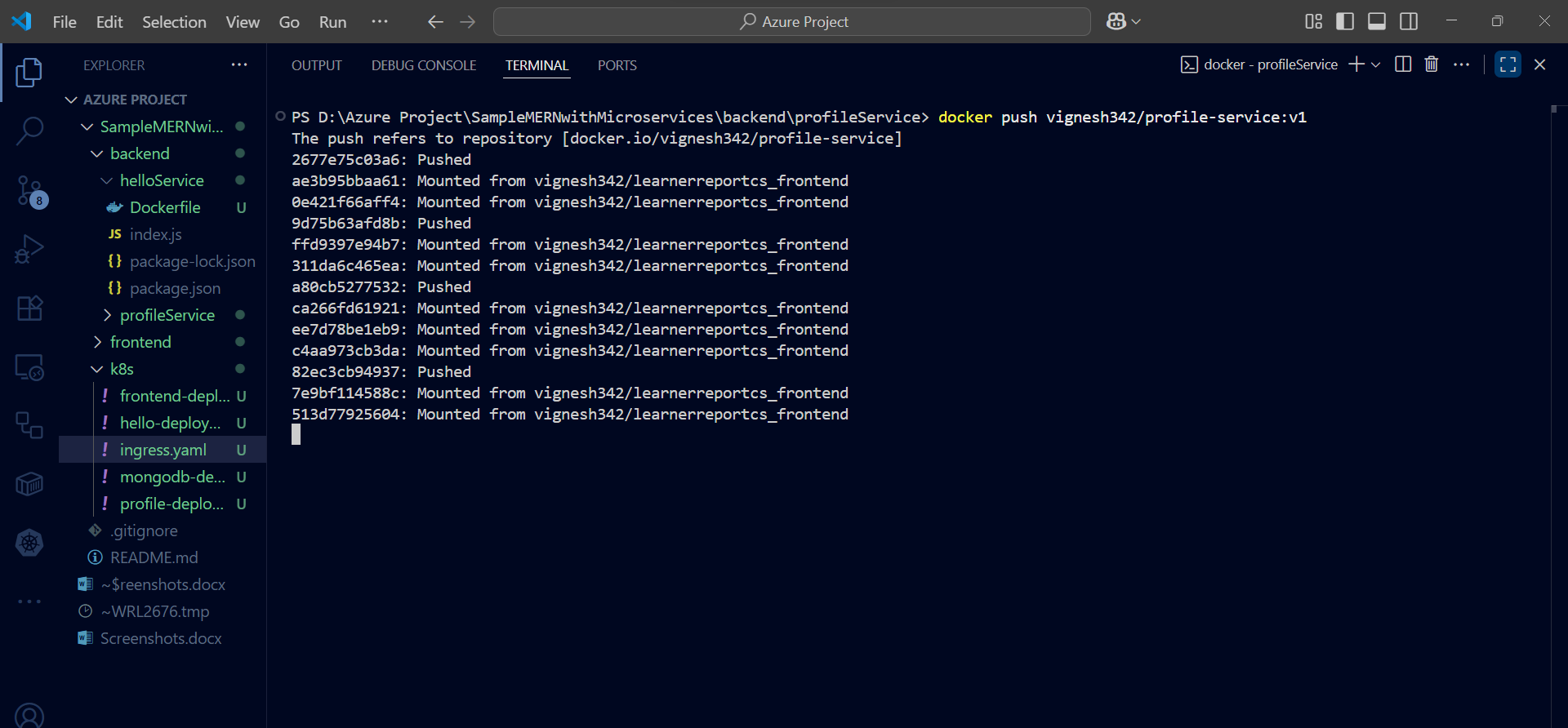
****

**Profileservice:**

**docker build -t vignesh342/profile-service:v1 .**

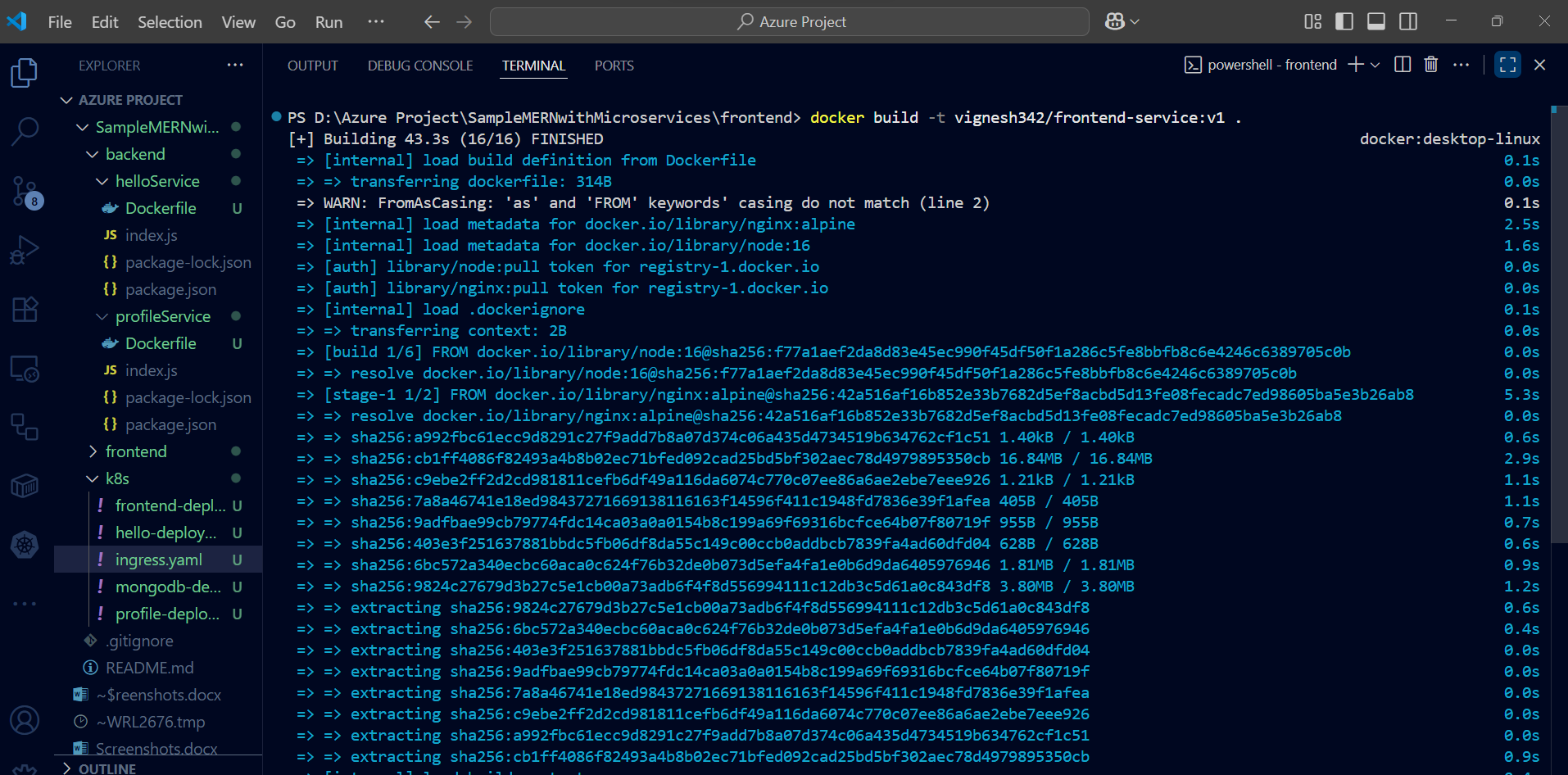
****

**docker push vignesh342/profile-service:v1**

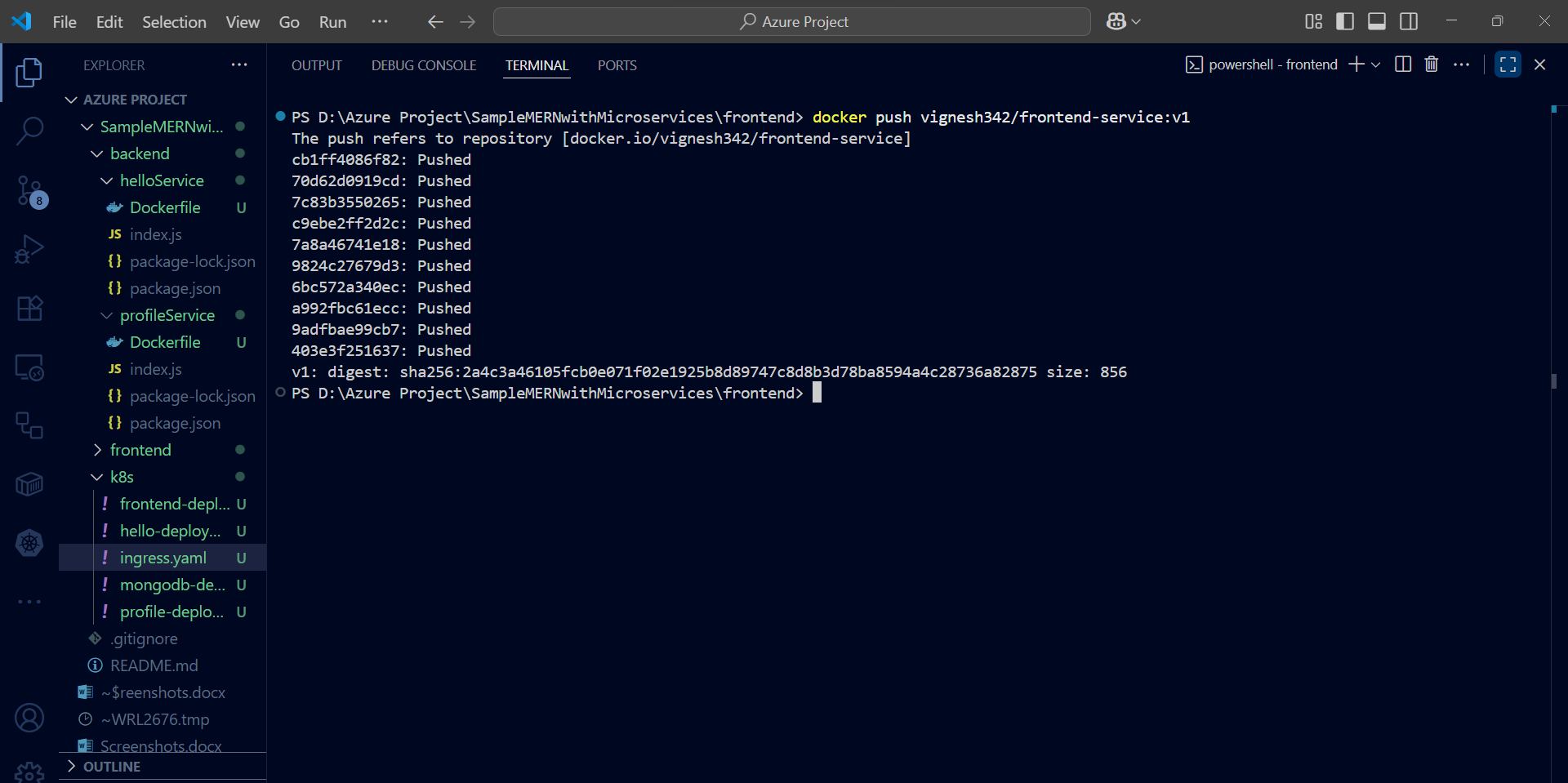
****

**Frontend:**

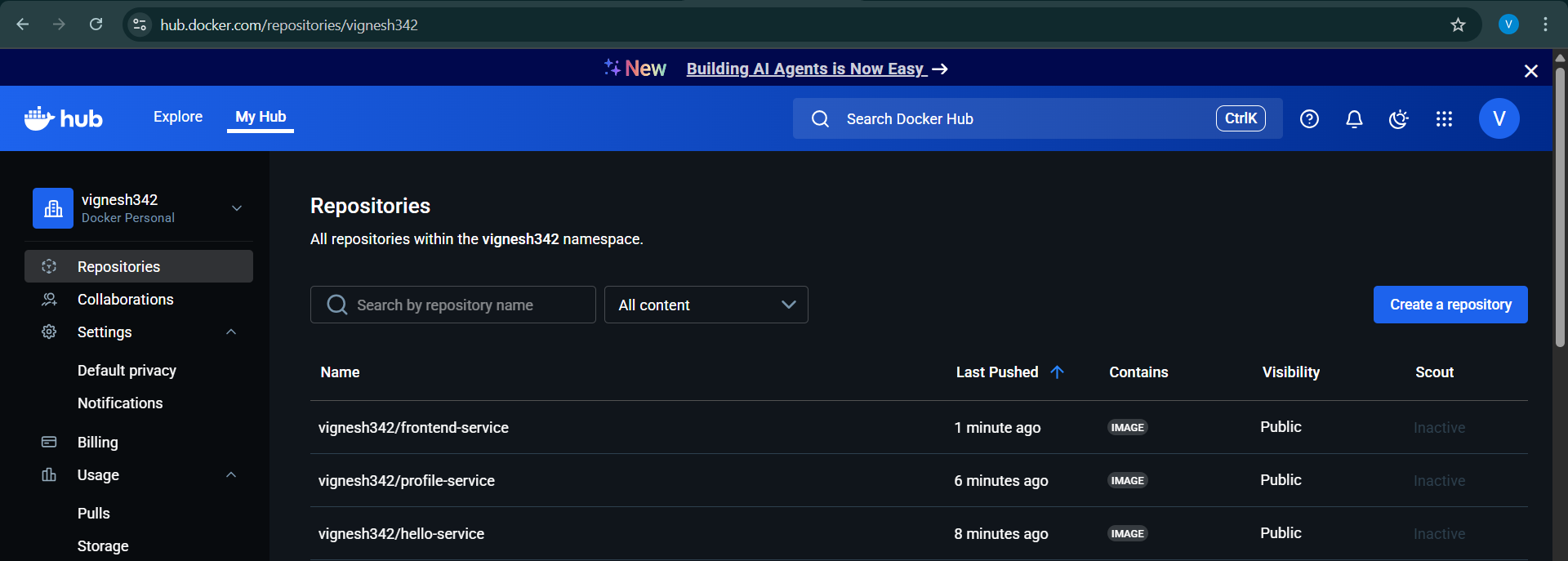
**docker build -t vignesh342/frontend-service:v1 .**

****

**docker push vignesh342/frontend-service:v1**

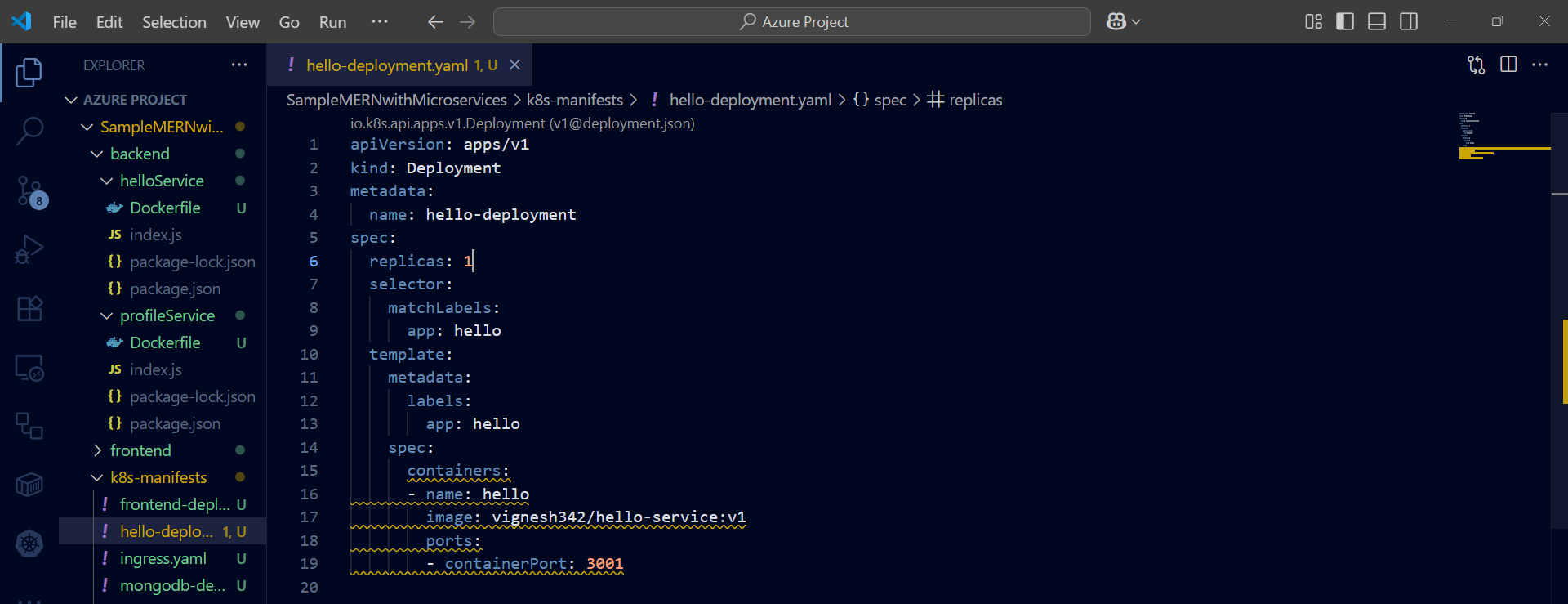
****

**Docker Hub:**

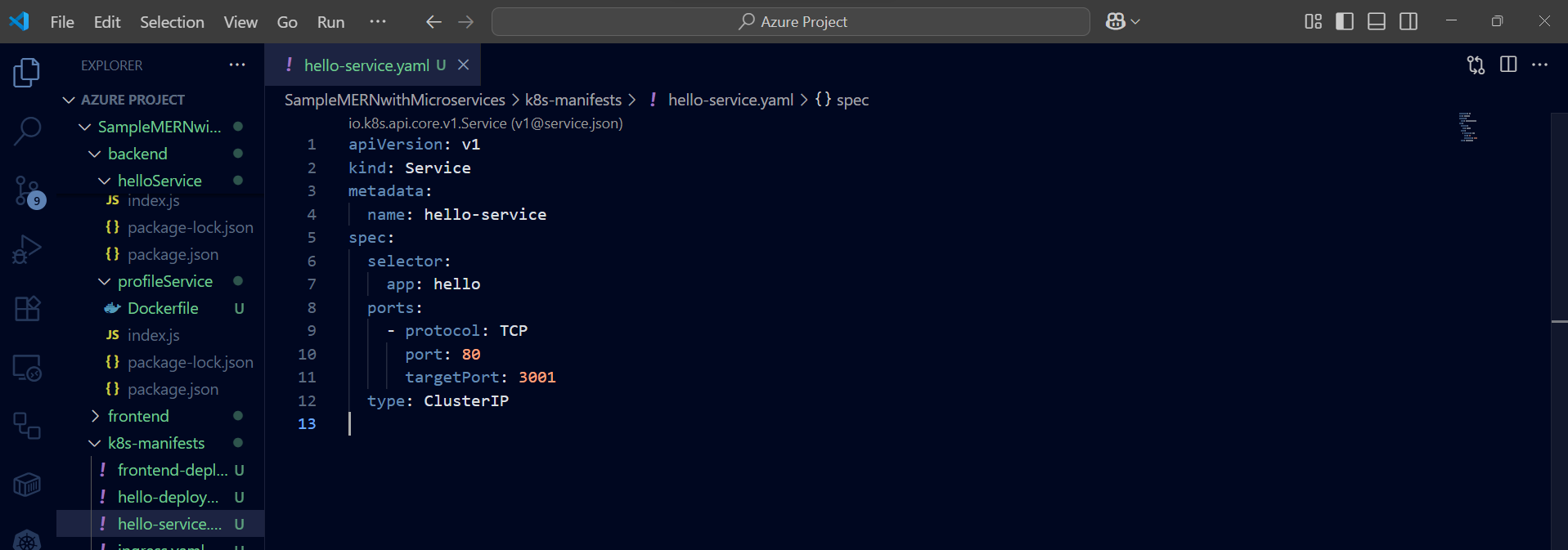
****

**k8s-manifests:**

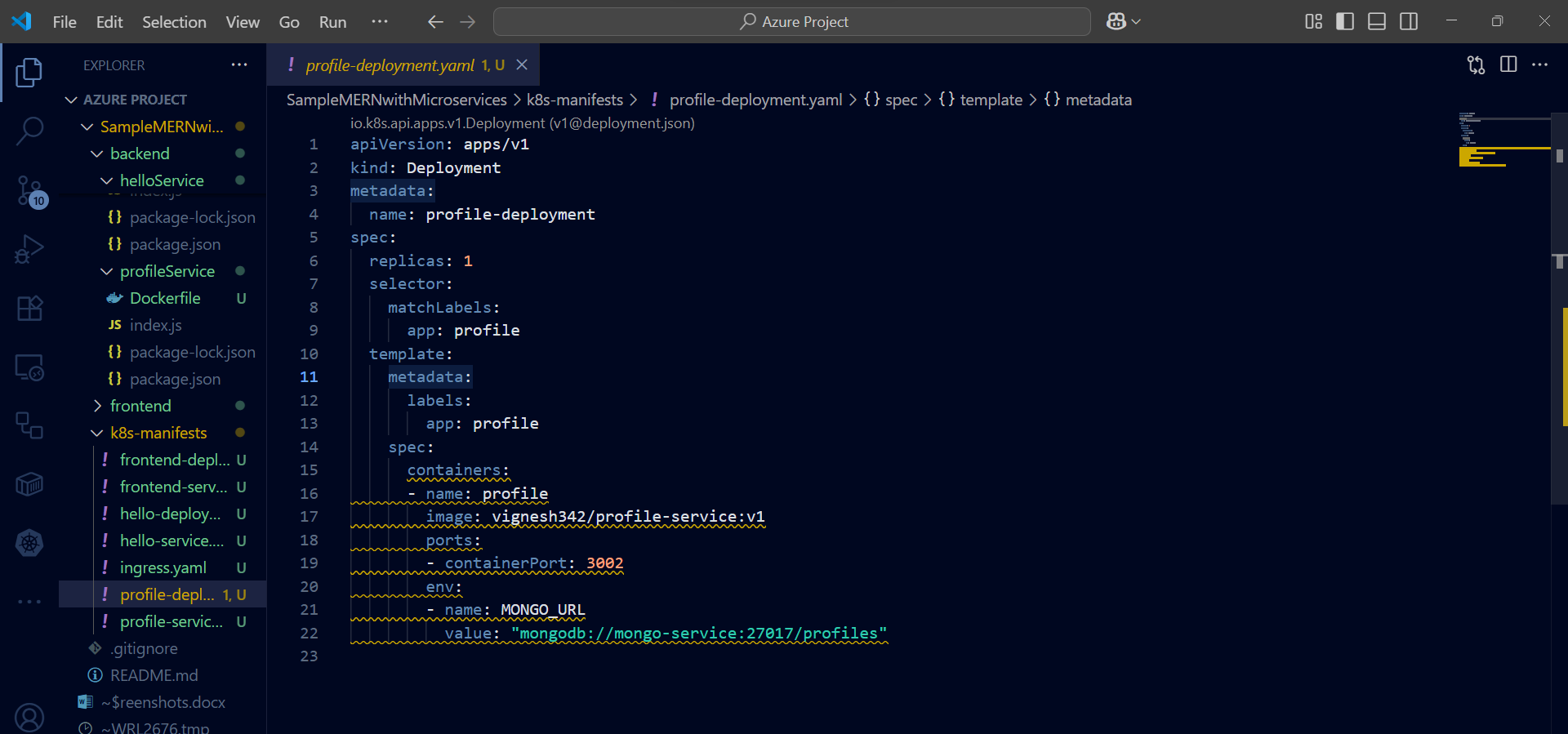
**hello-deployment.yaml:**

****

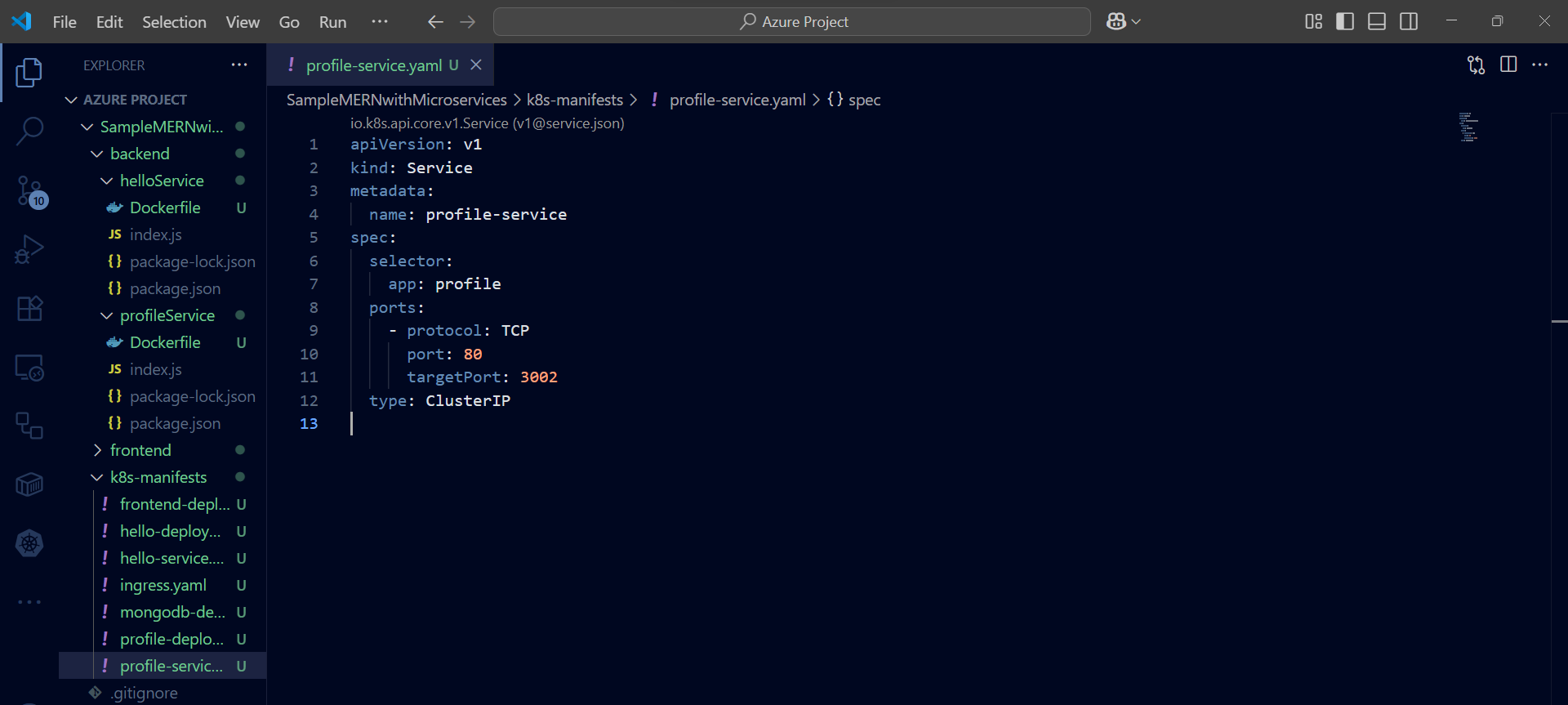
**hello-service.yaml**

****

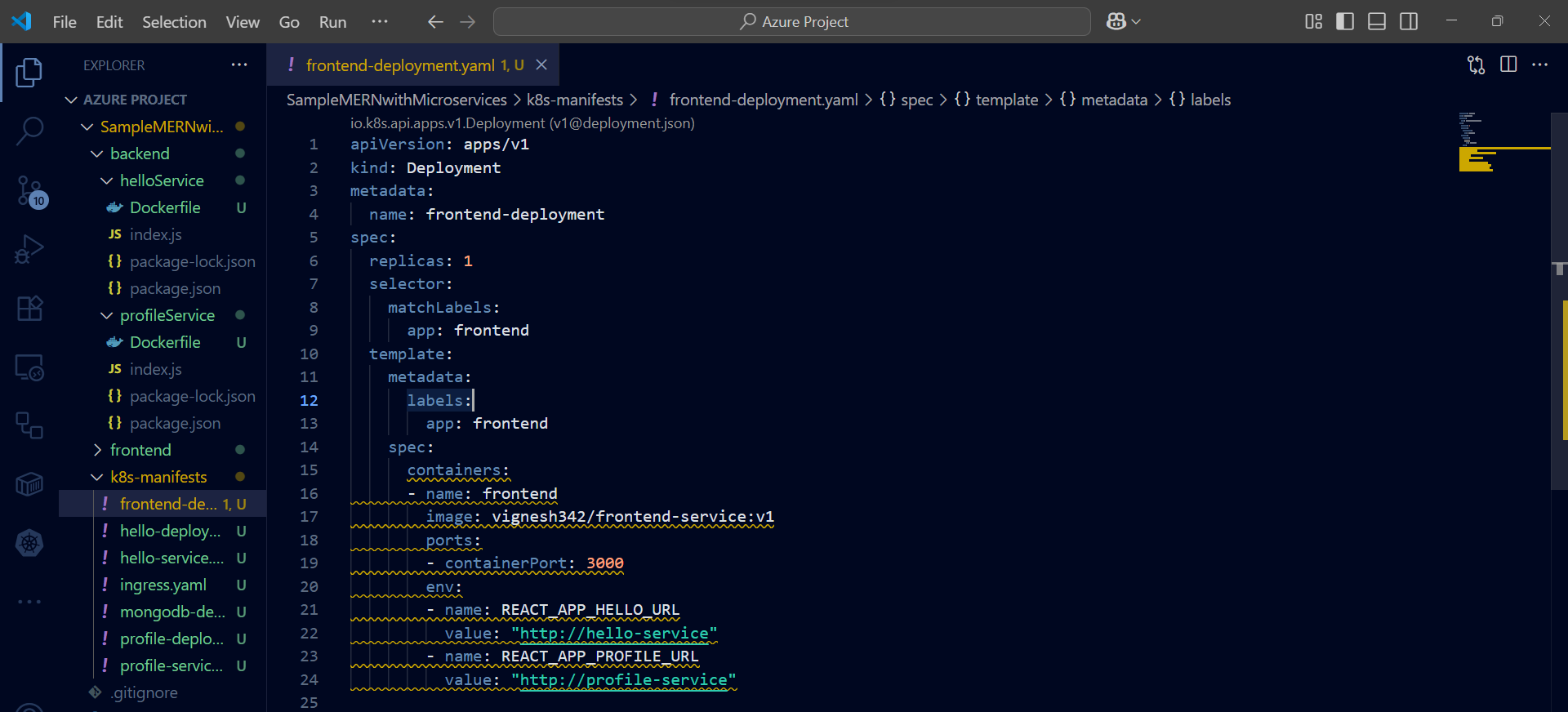
**profile-deployment.yaml:**

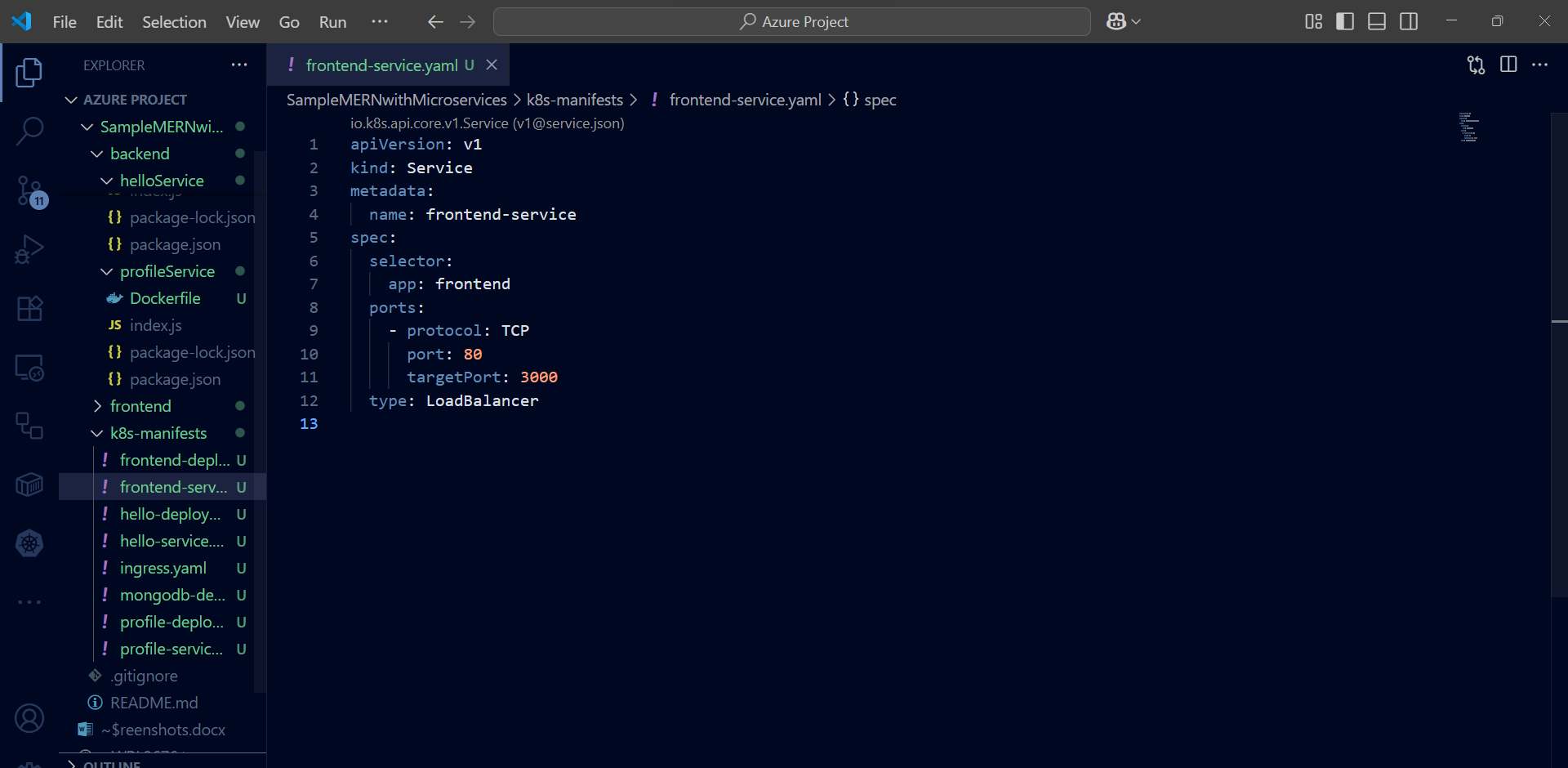
****

**profile-service.yaml**

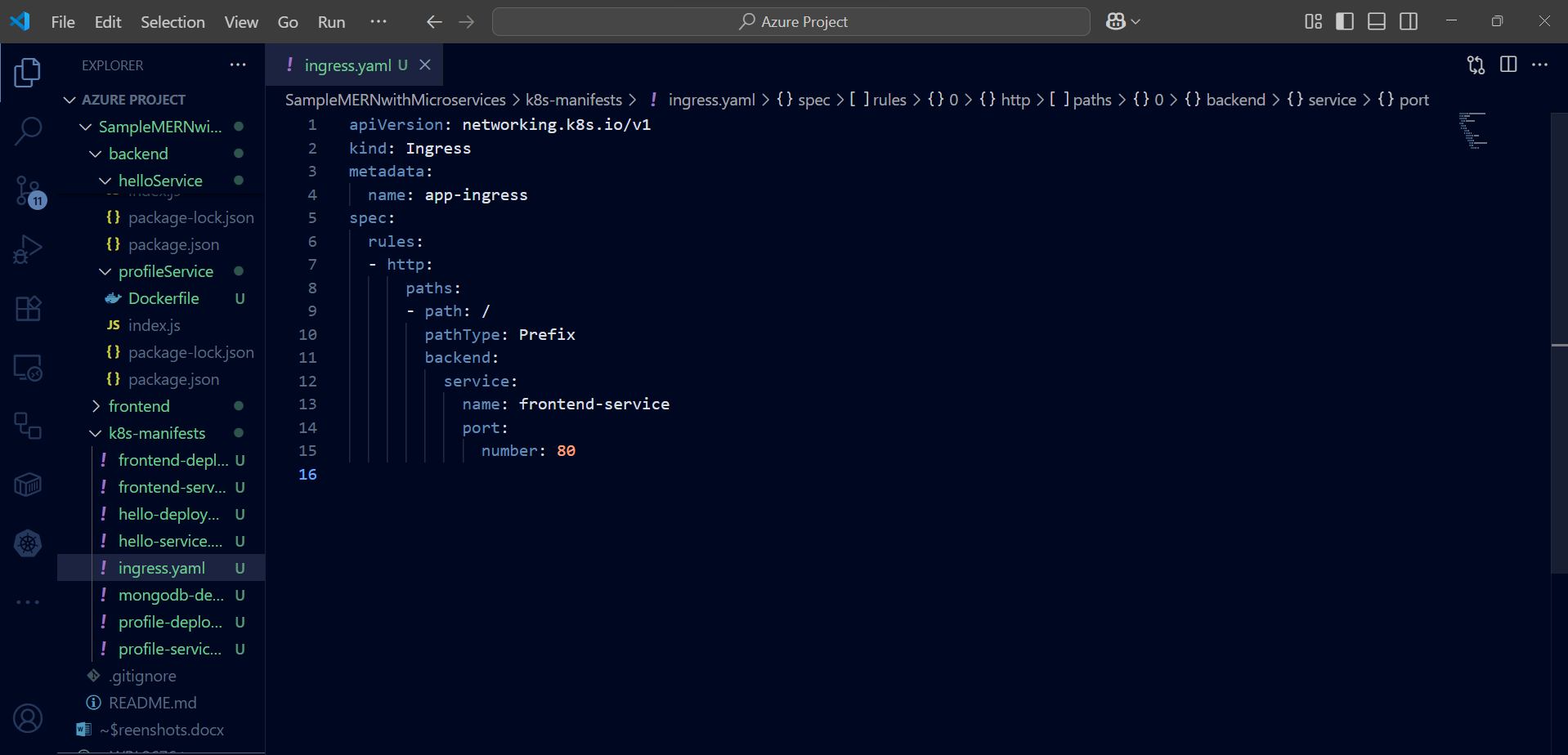
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**frontend-deployment.yaml**

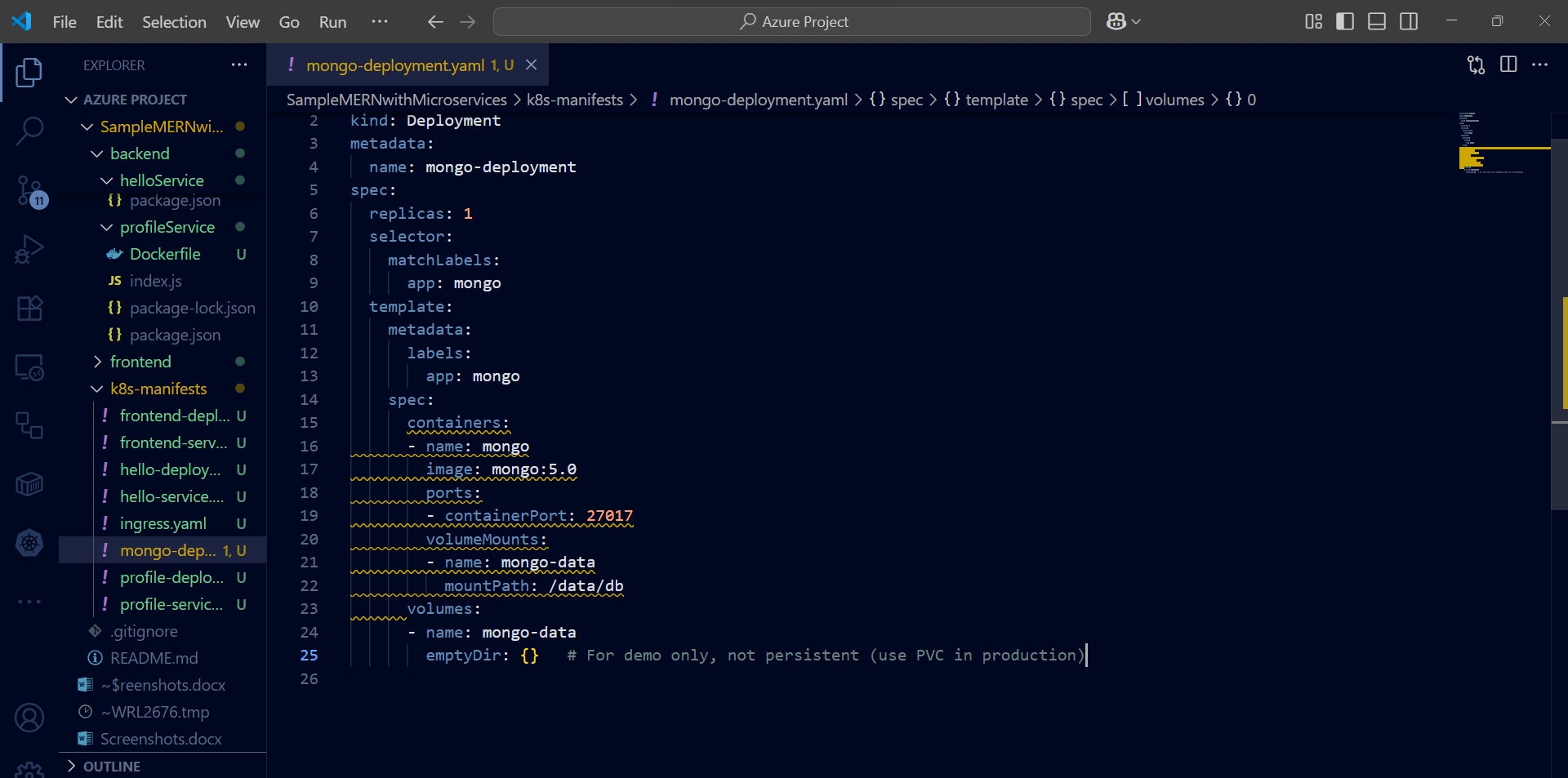
****

**frontend-service.yaml:**

**ingress.yaml:**

****

**mongo-deployment.yaml:**

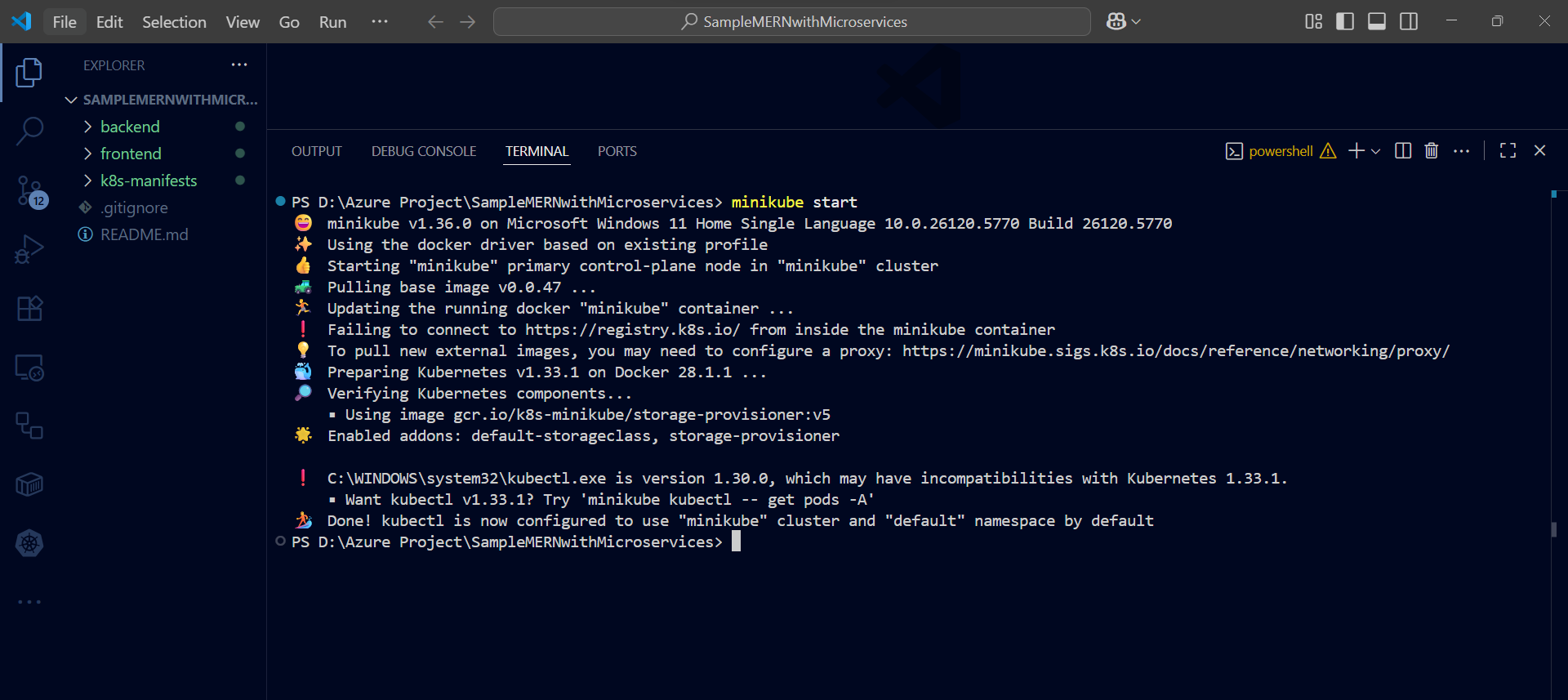
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**mongo-service.yaml:**

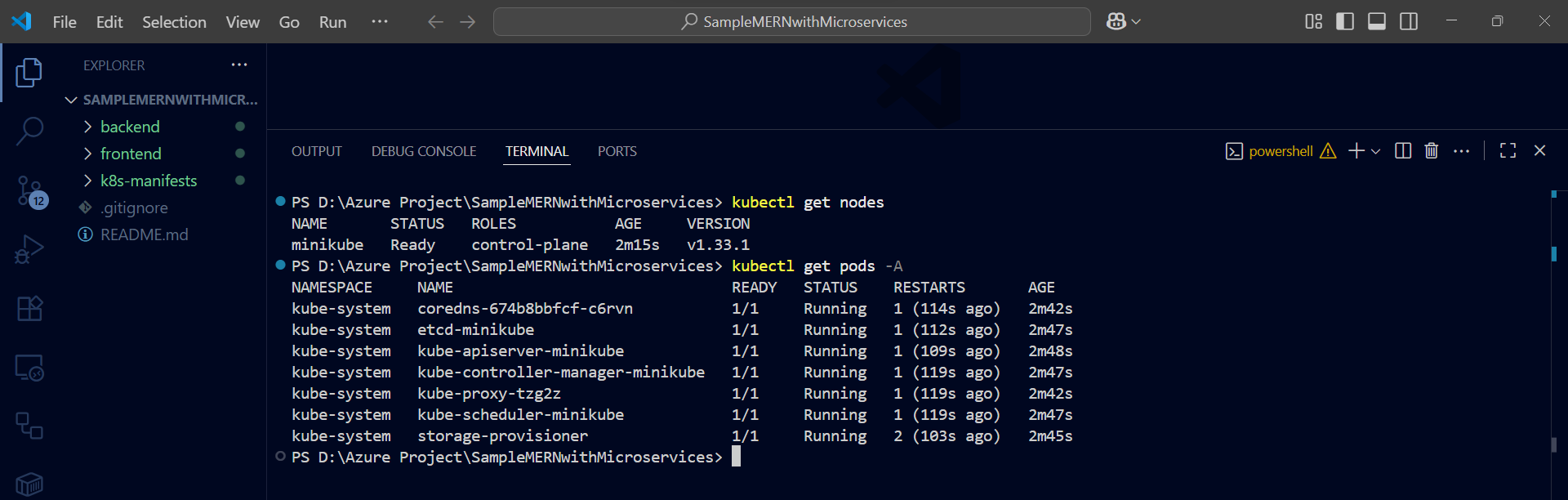
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**Steps to Deploy Locally (Docker Desktop Kubernetes or Minikube):**

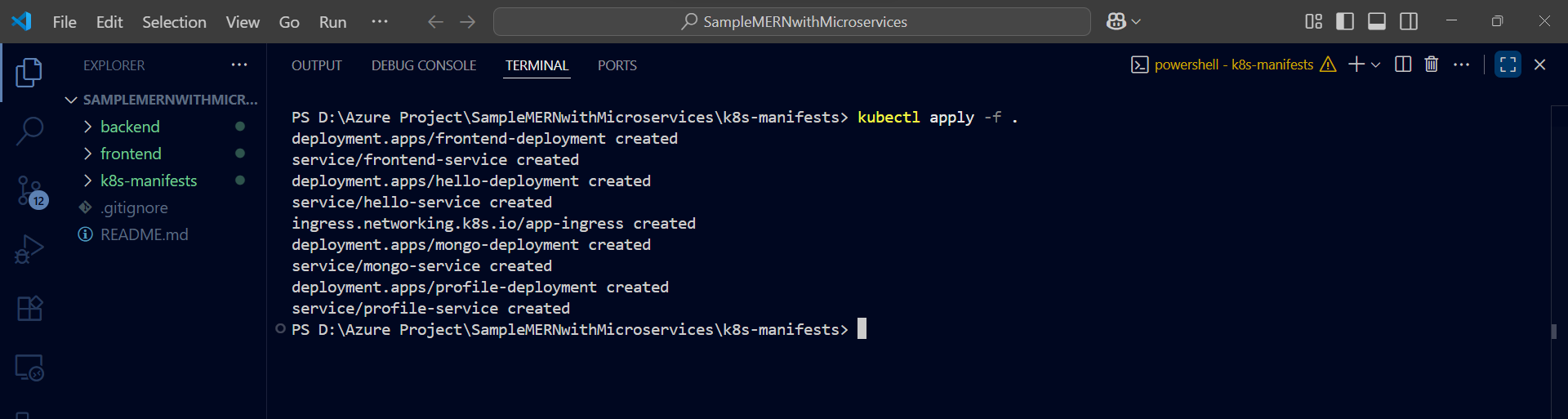
**Start Minikube:**

****

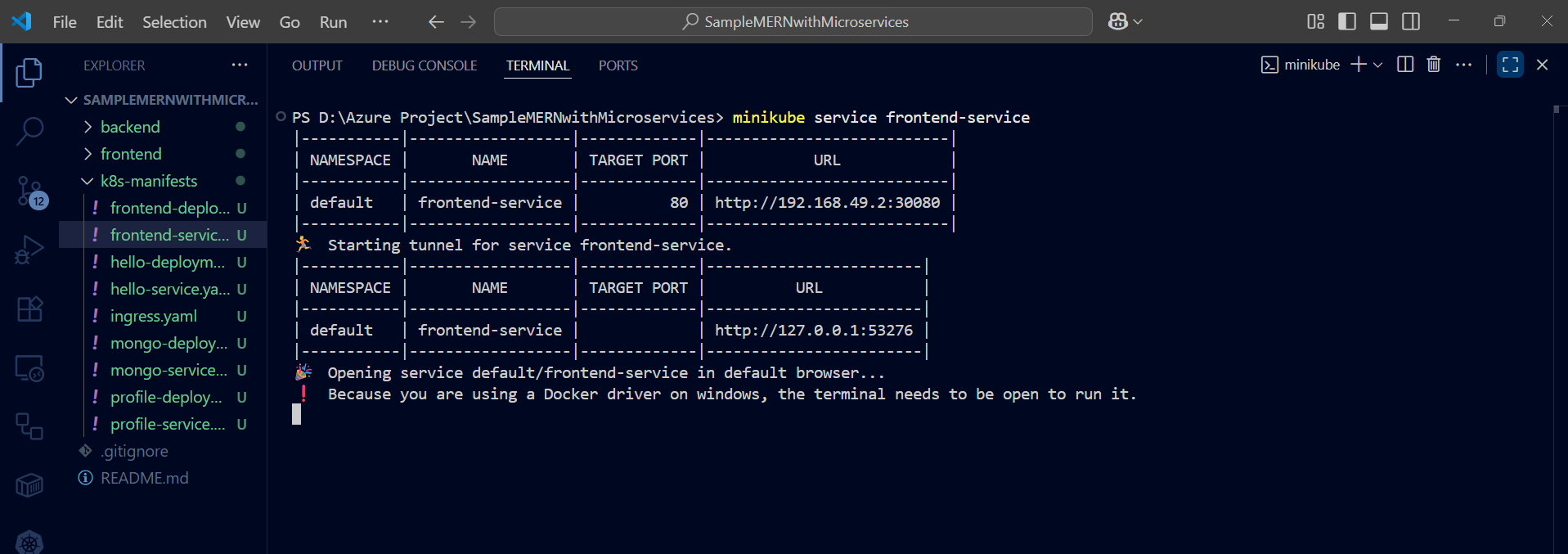
**Verify cluster is running:**

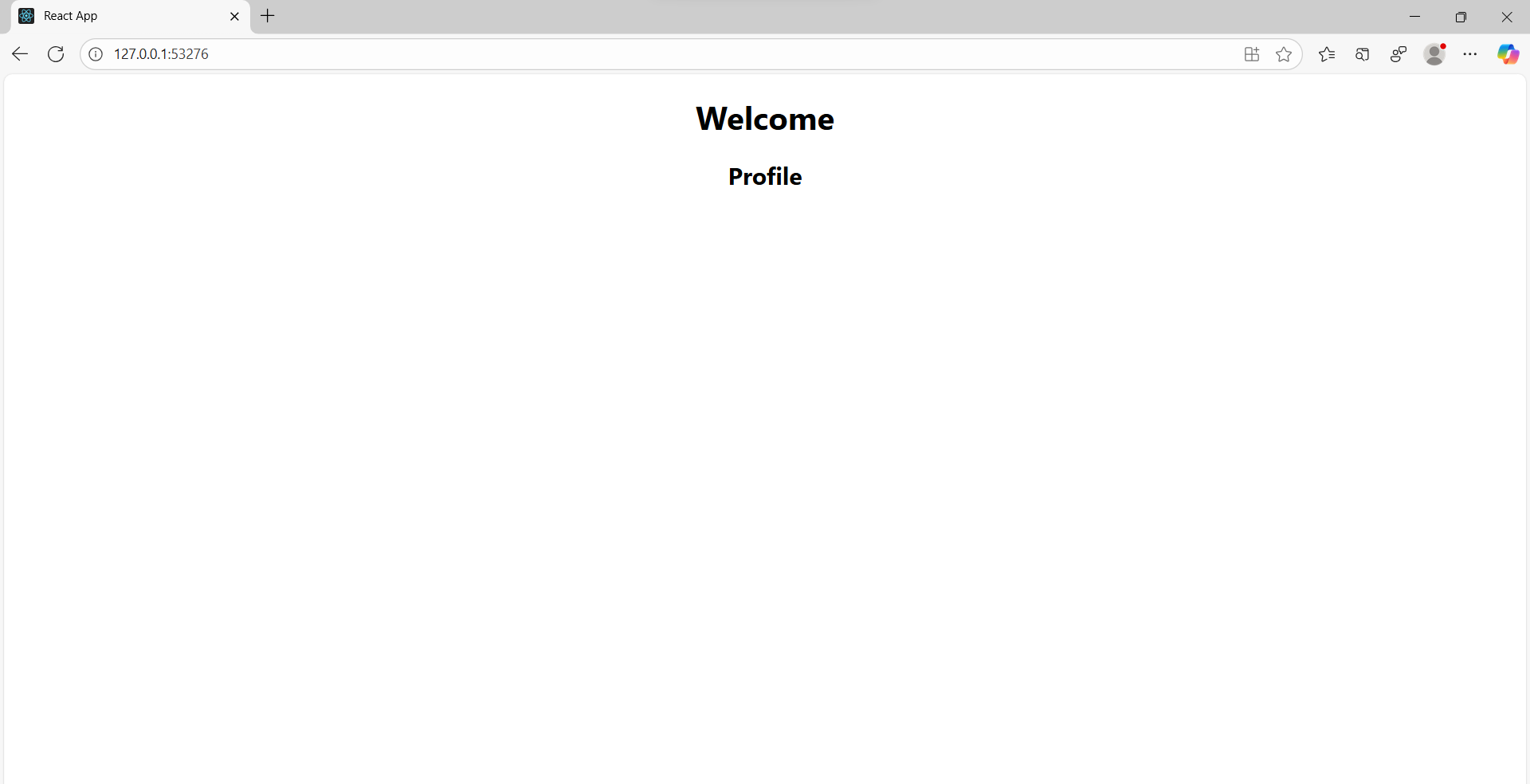
****

**Apply your app manifests:**

****

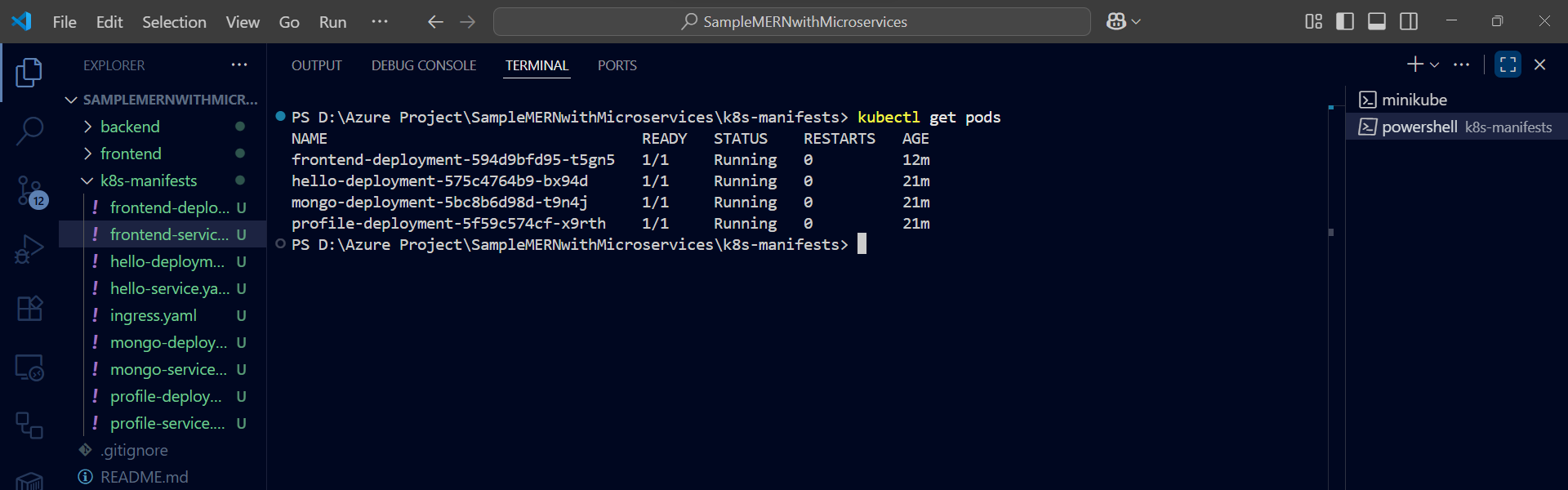
**Access the frontend in Minikube:**

****

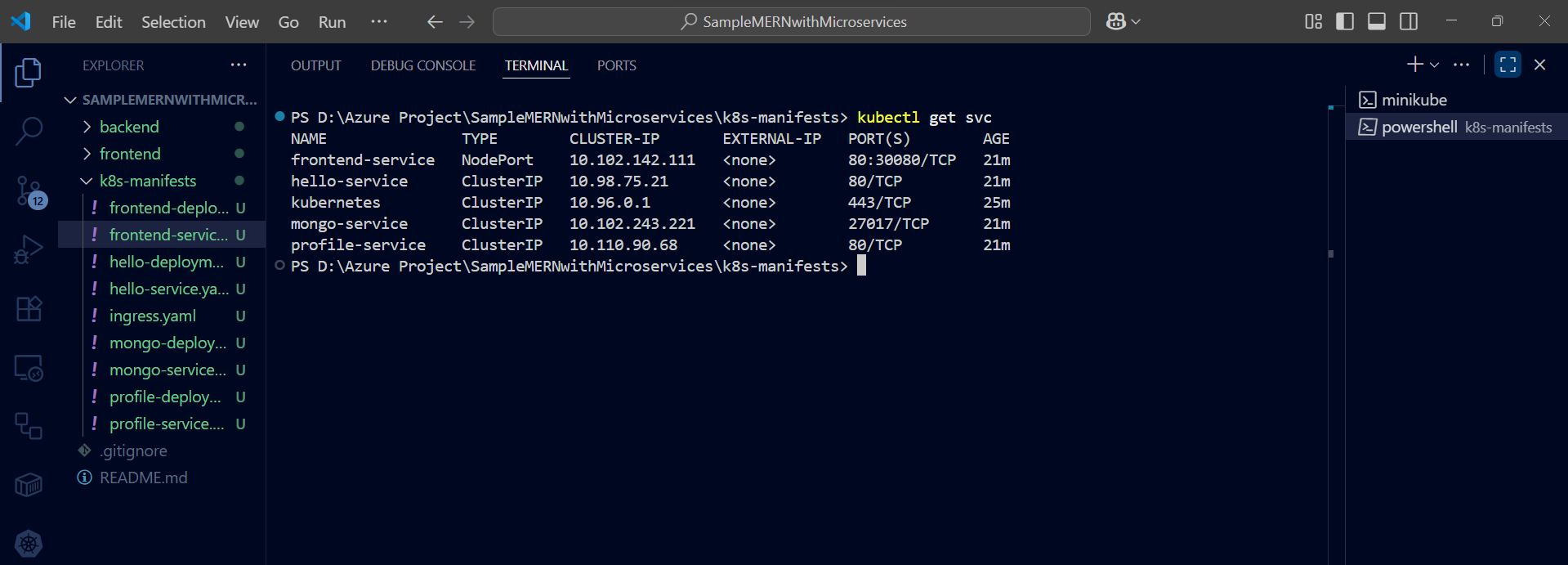
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**Step 1: Evidence / Screenshots:**

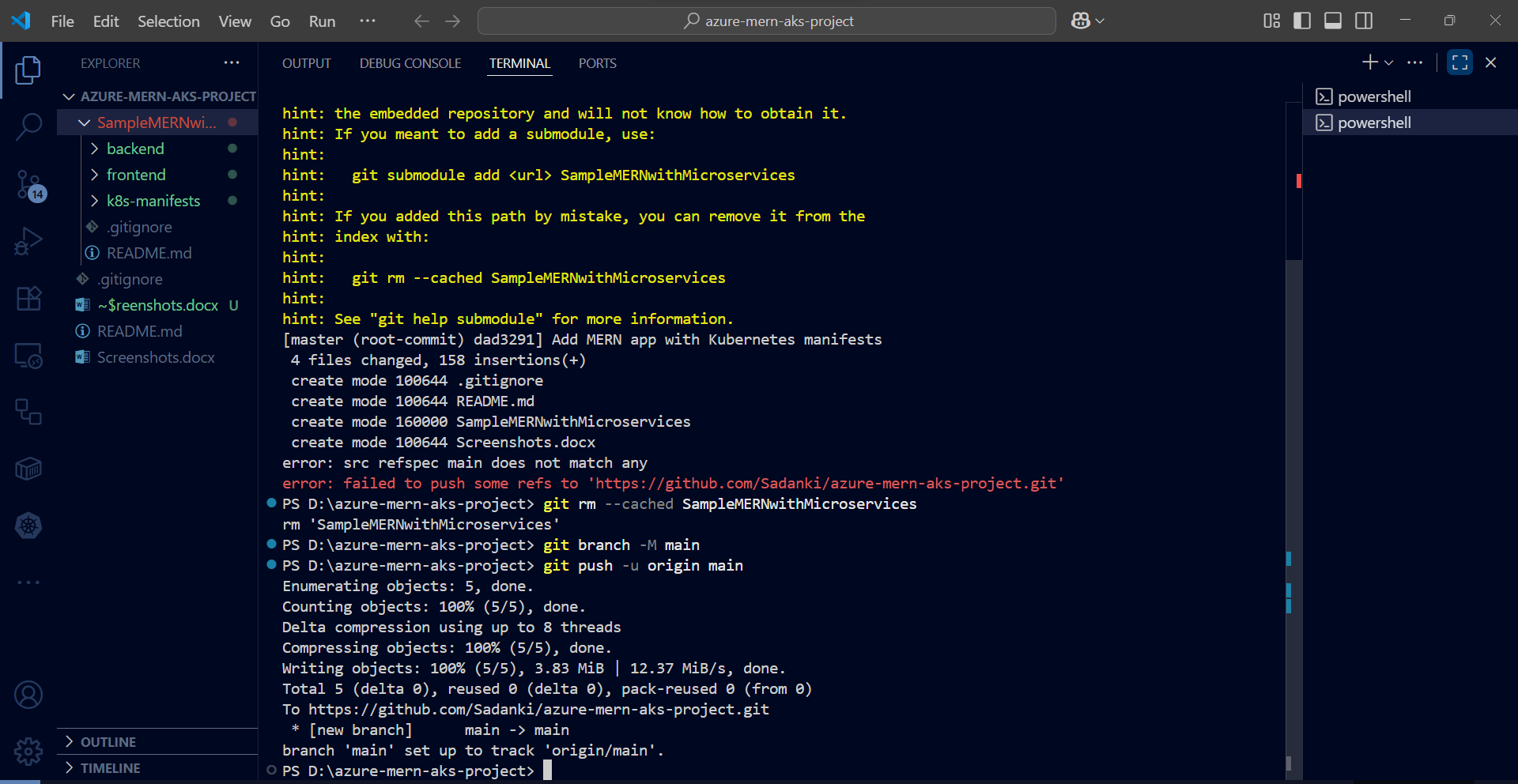
**Pods status:**

****

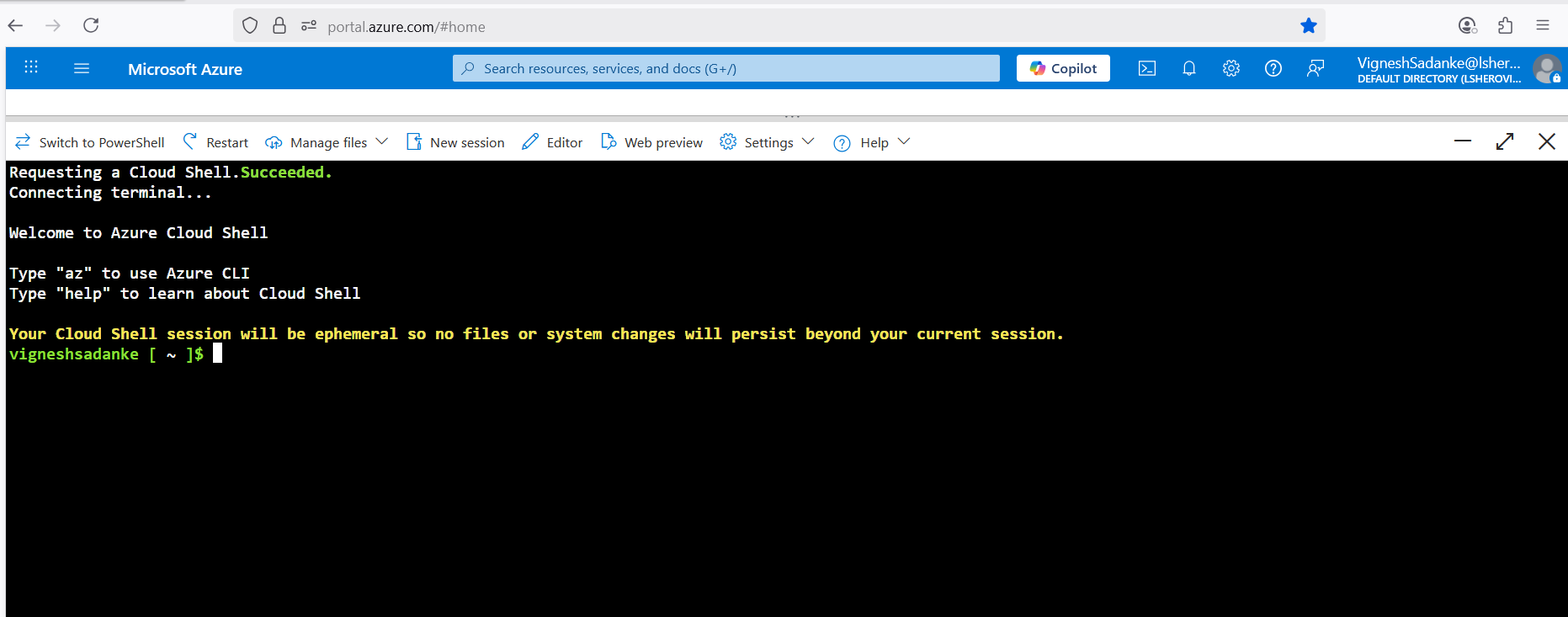
**Services status:**

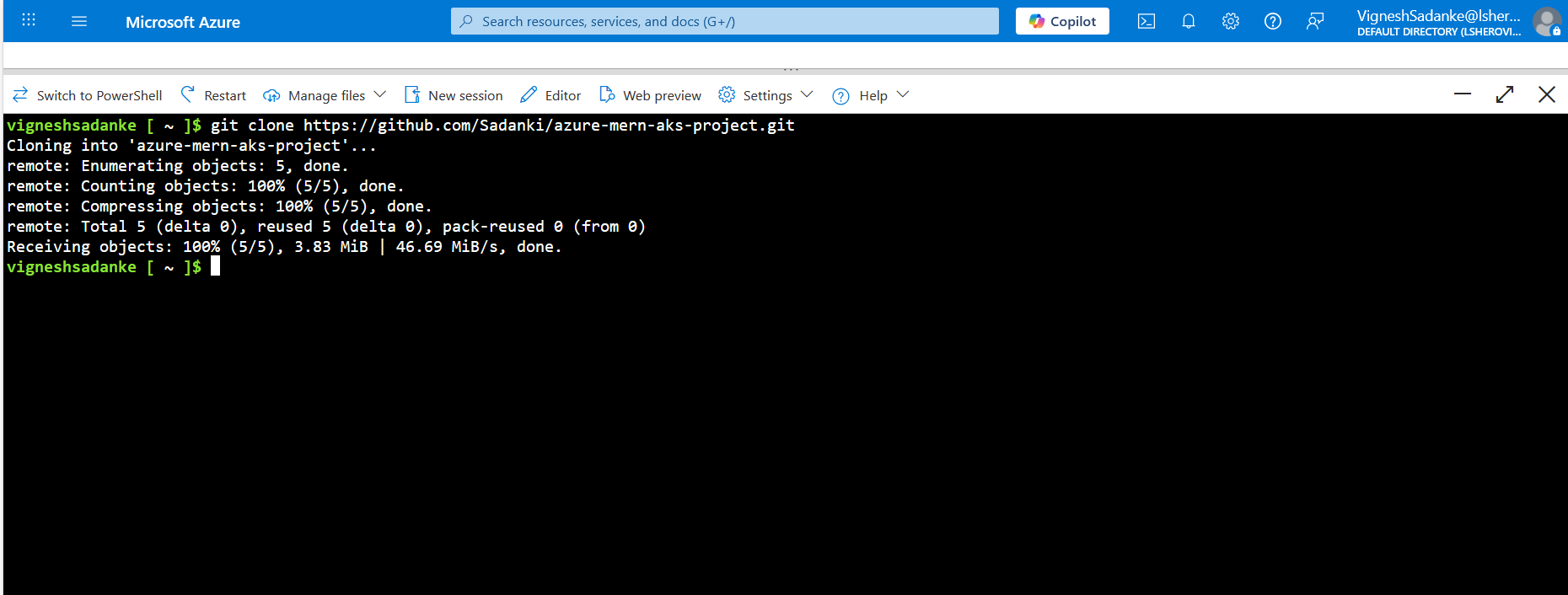
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**Step 2: Push your manifests to GitHub:**

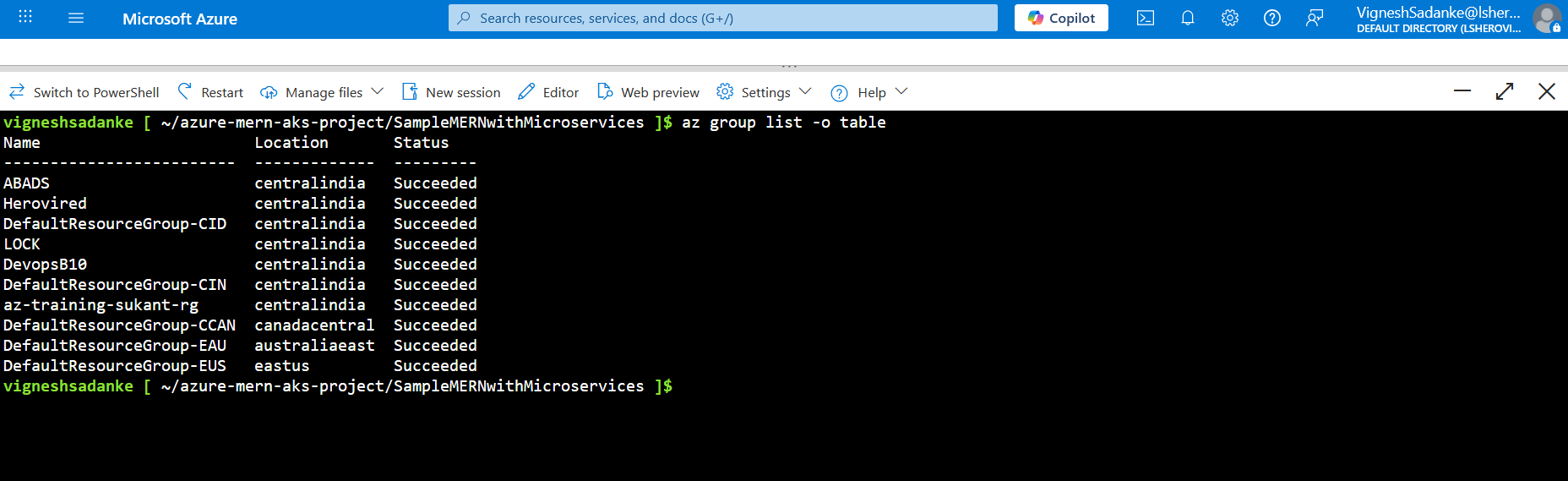
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**Next Steps in Cloud Shell:**

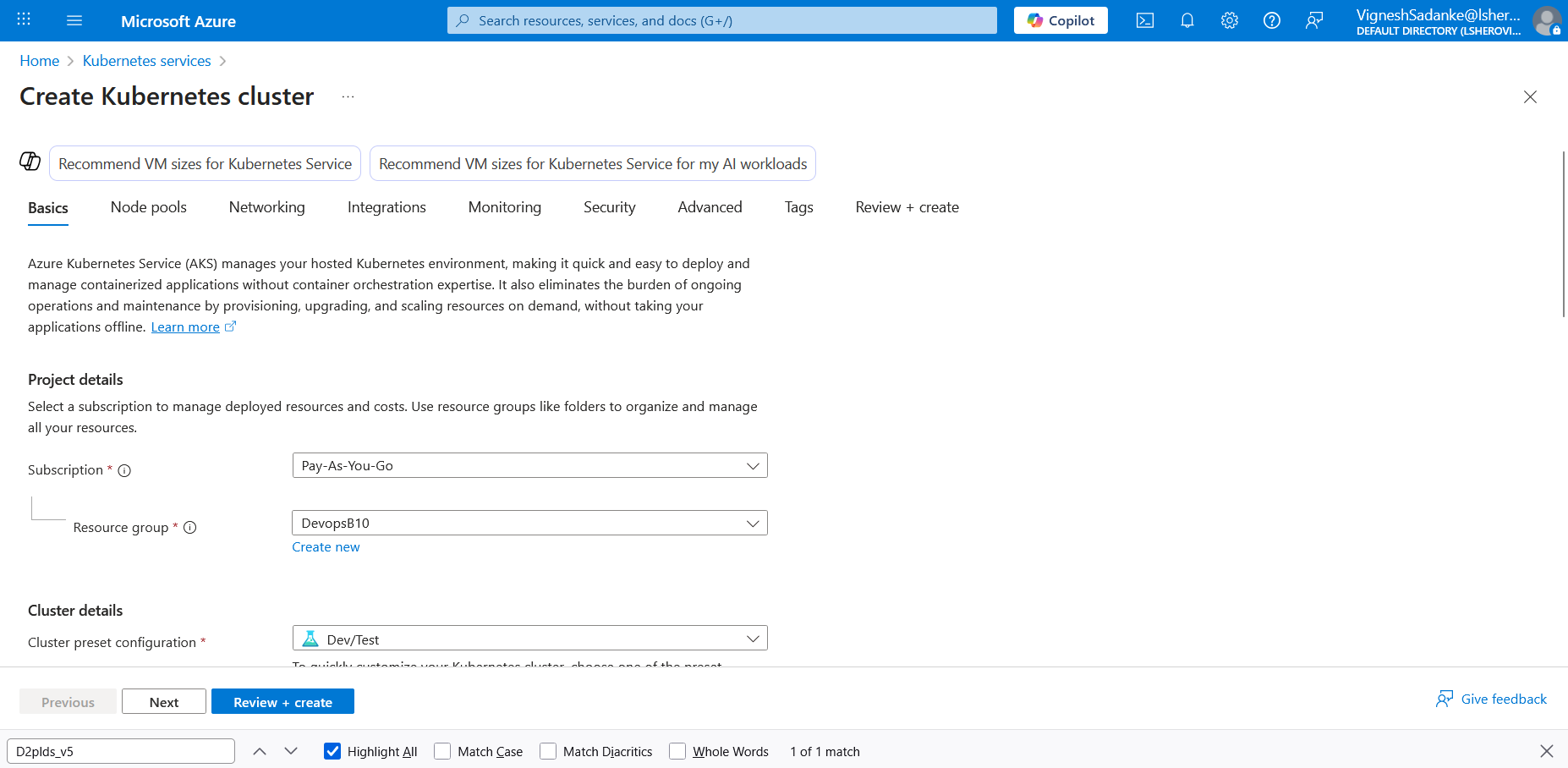
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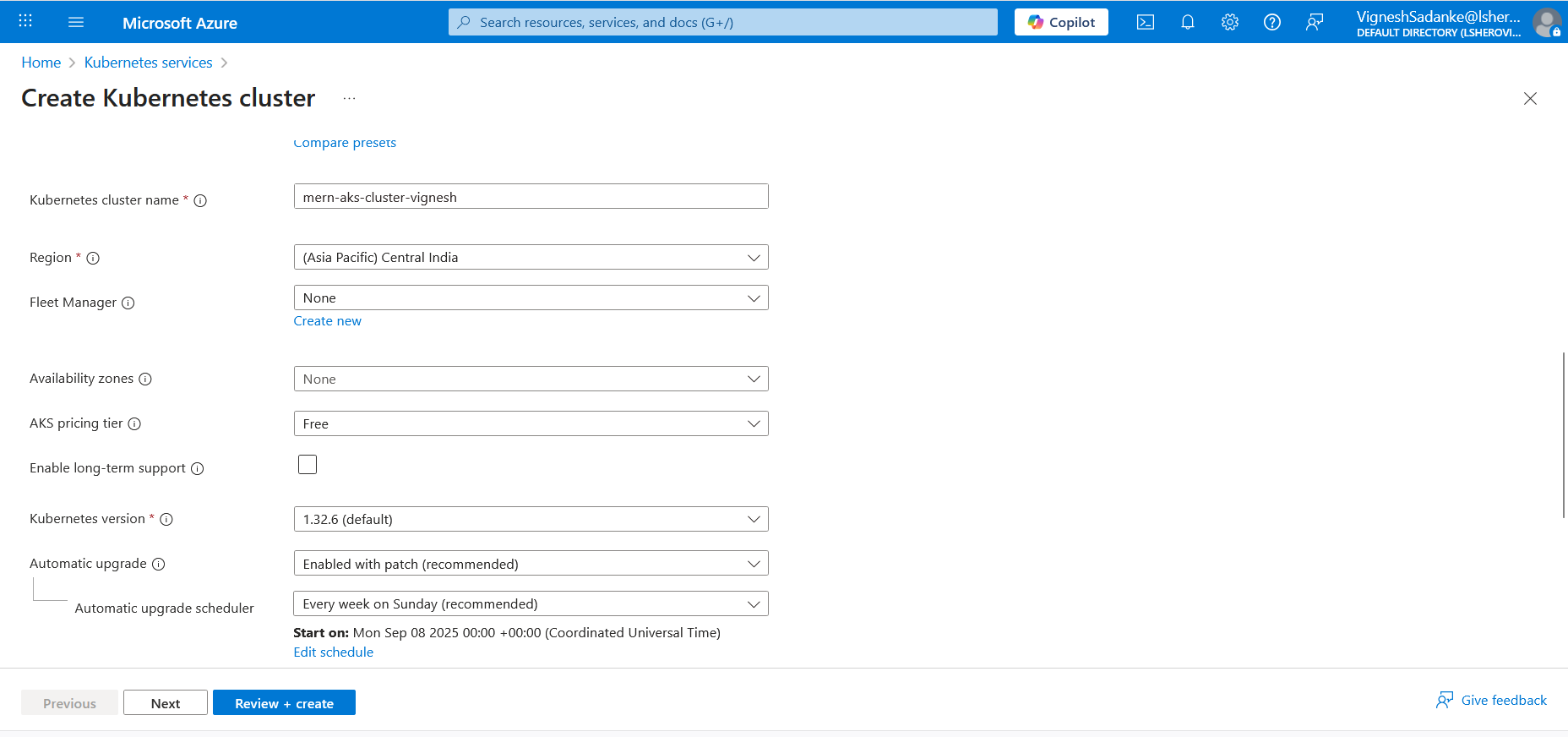
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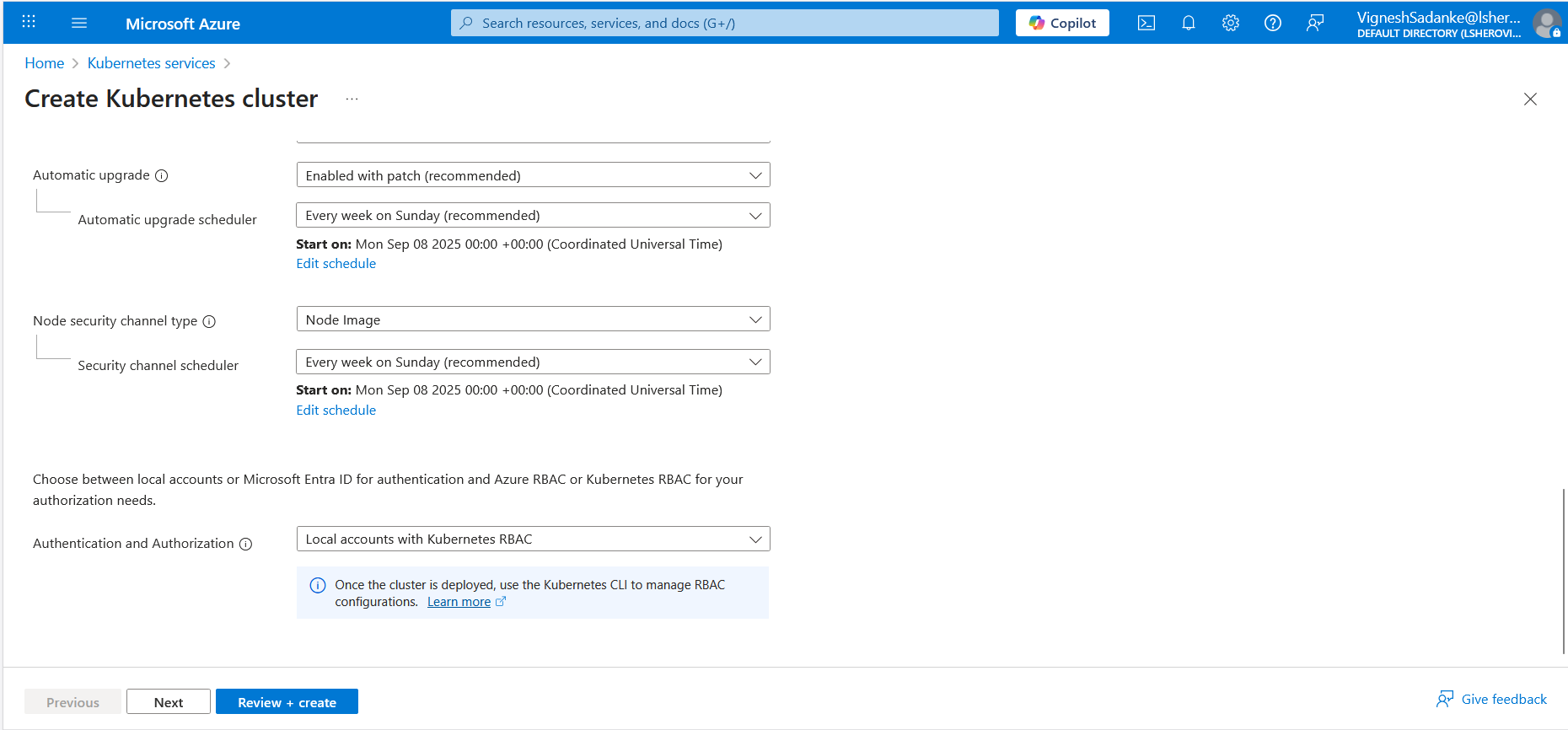
**Check existing resource groups (to see if you have permission to deploy AKS)**

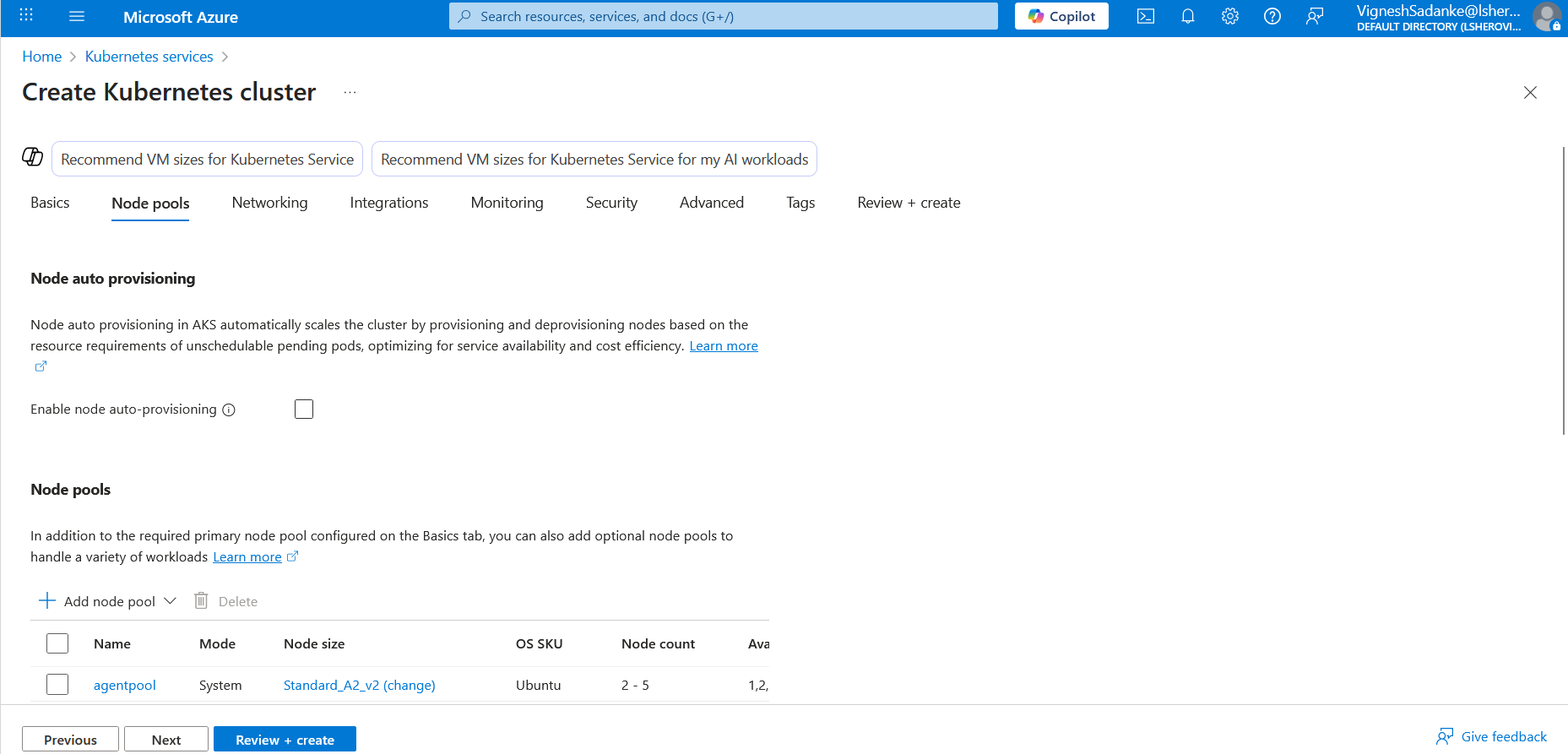
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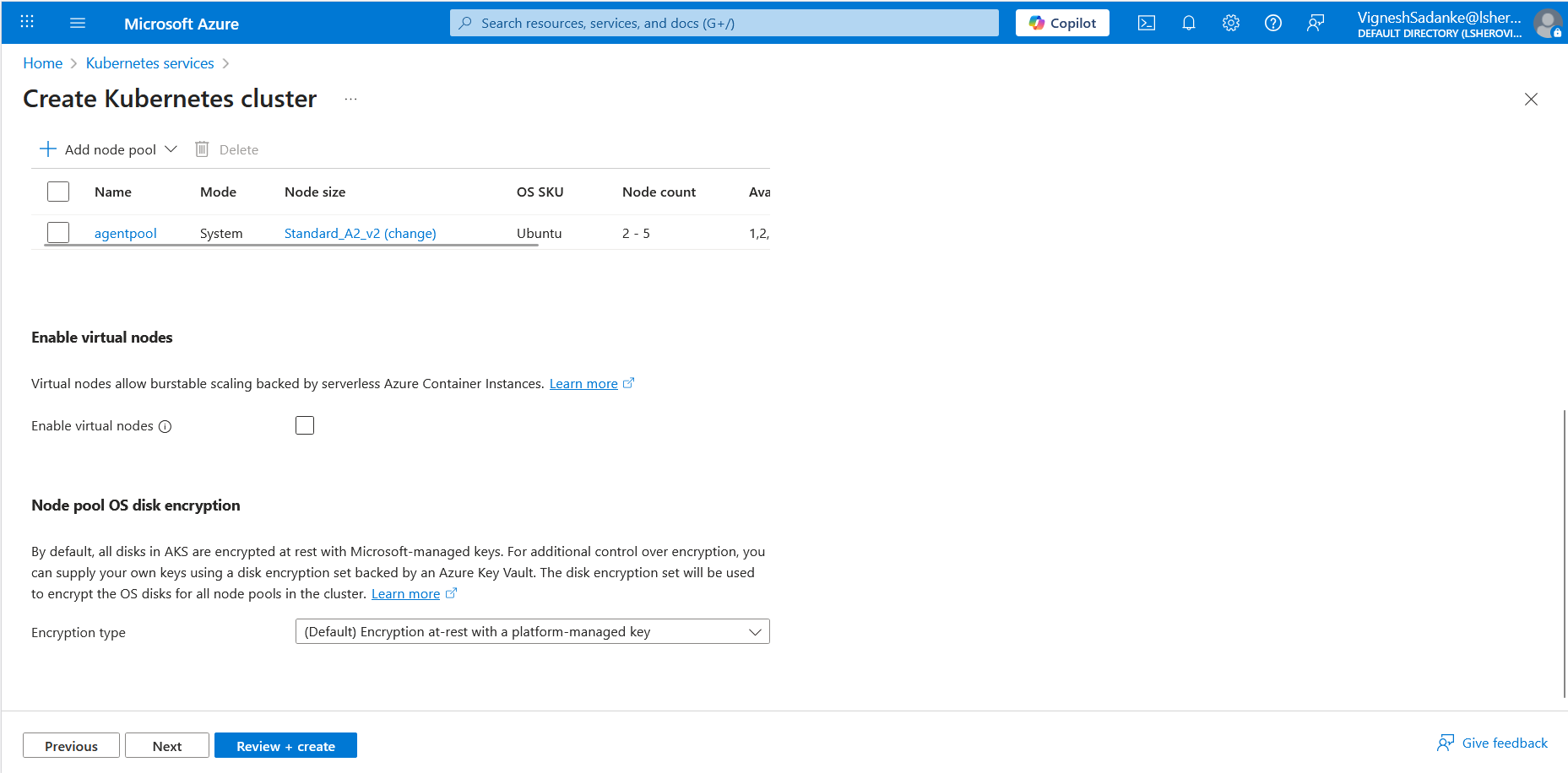
**Create Kubernetes cluster**

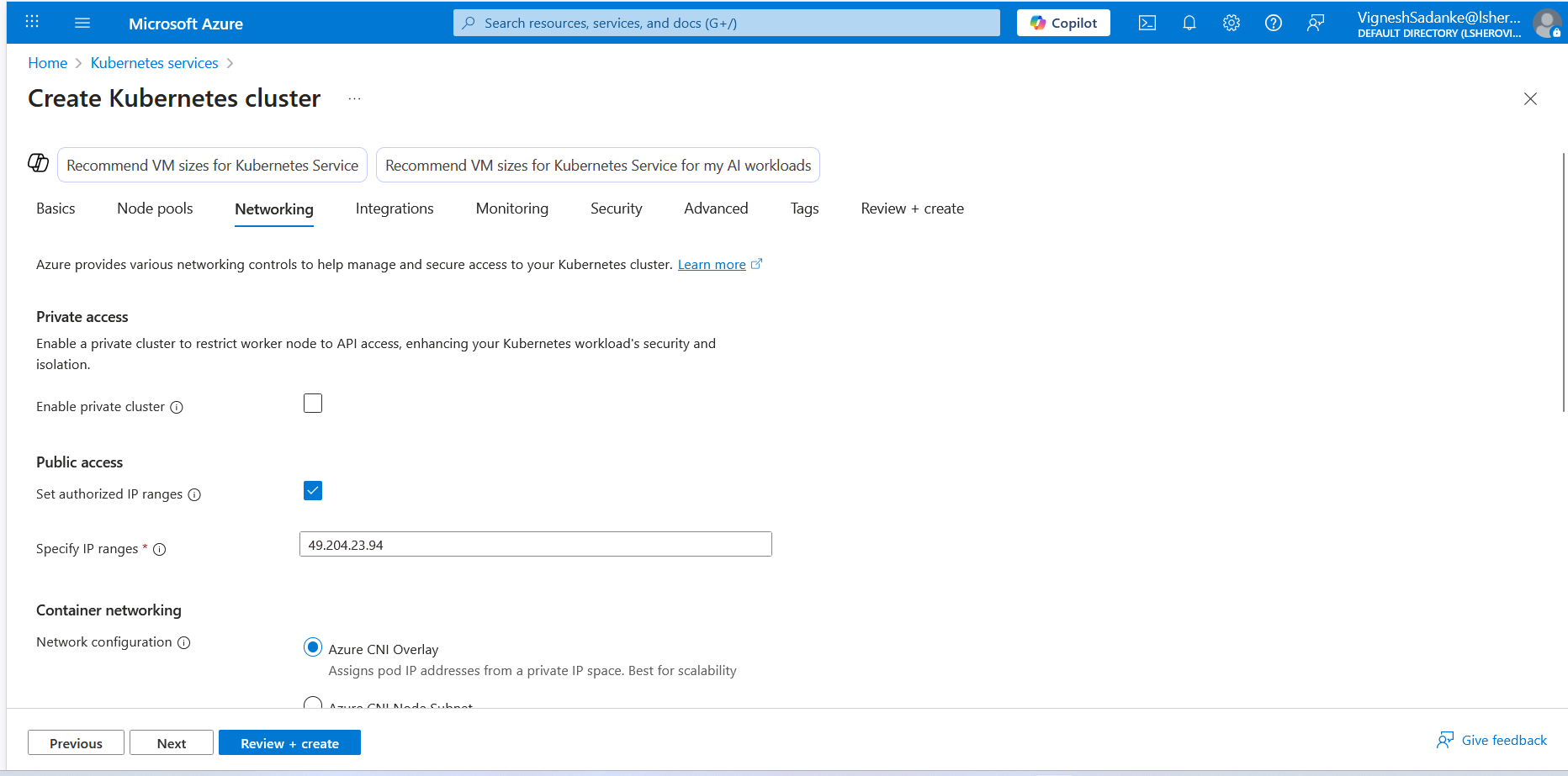
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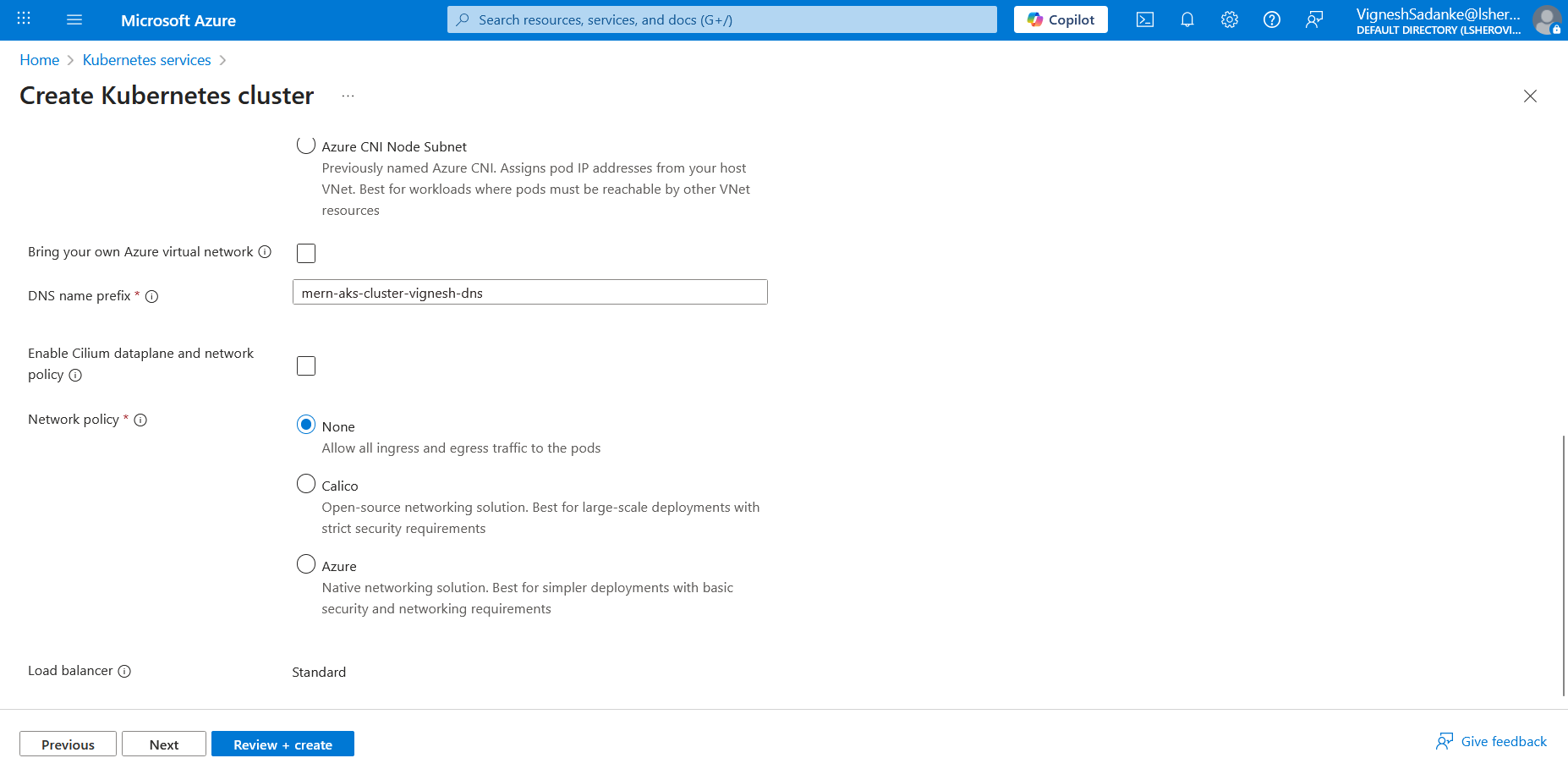
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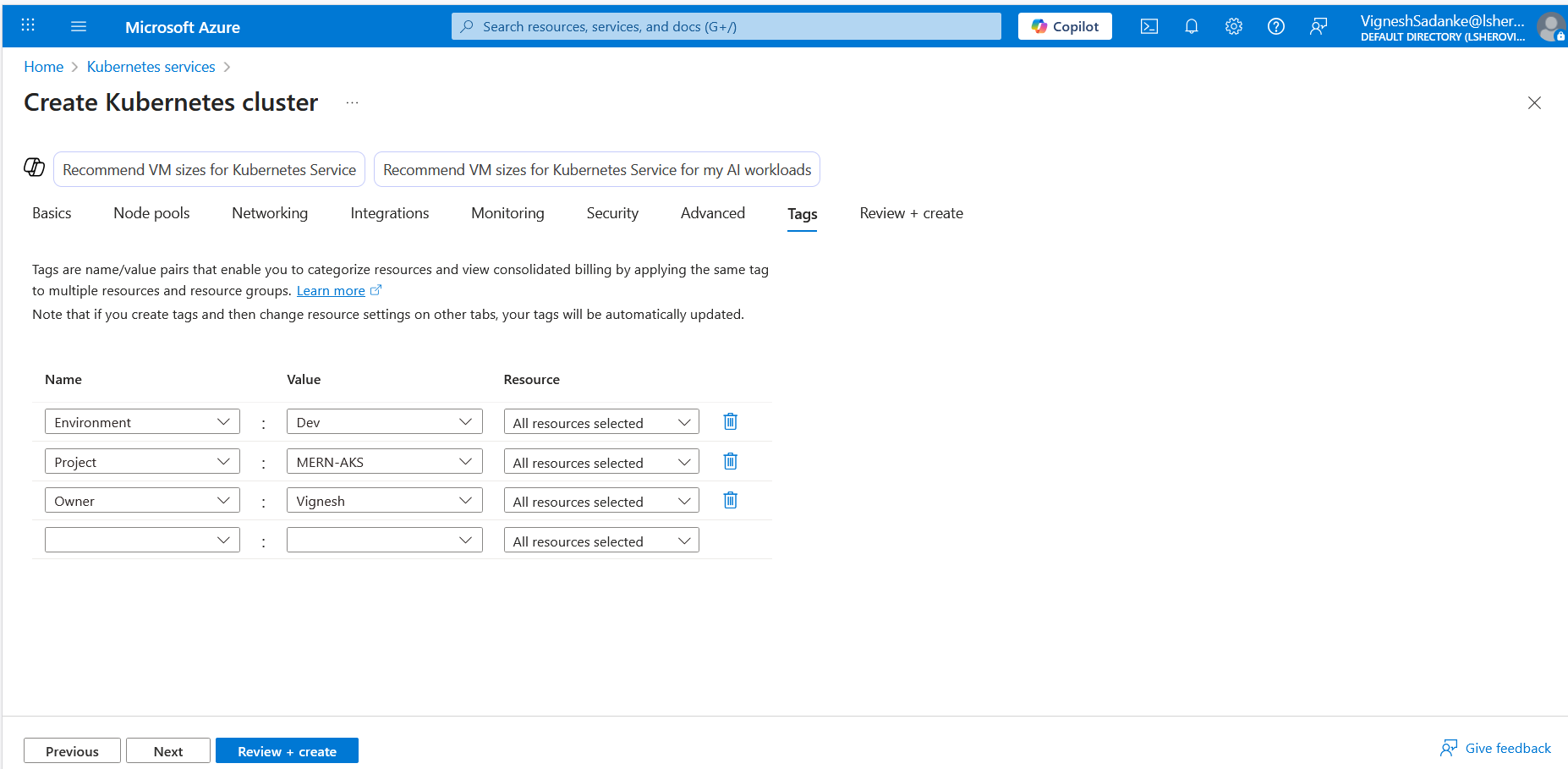
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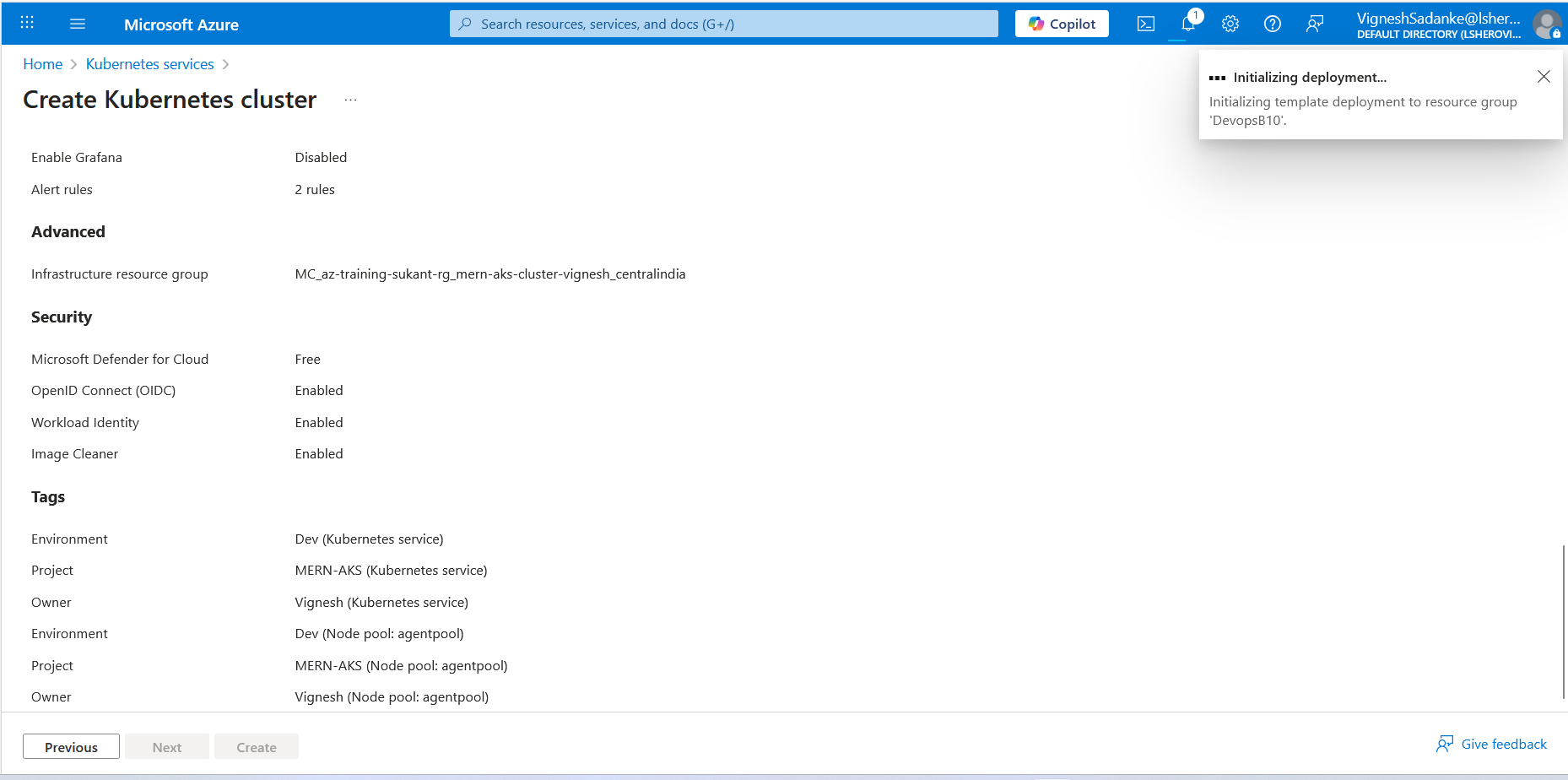
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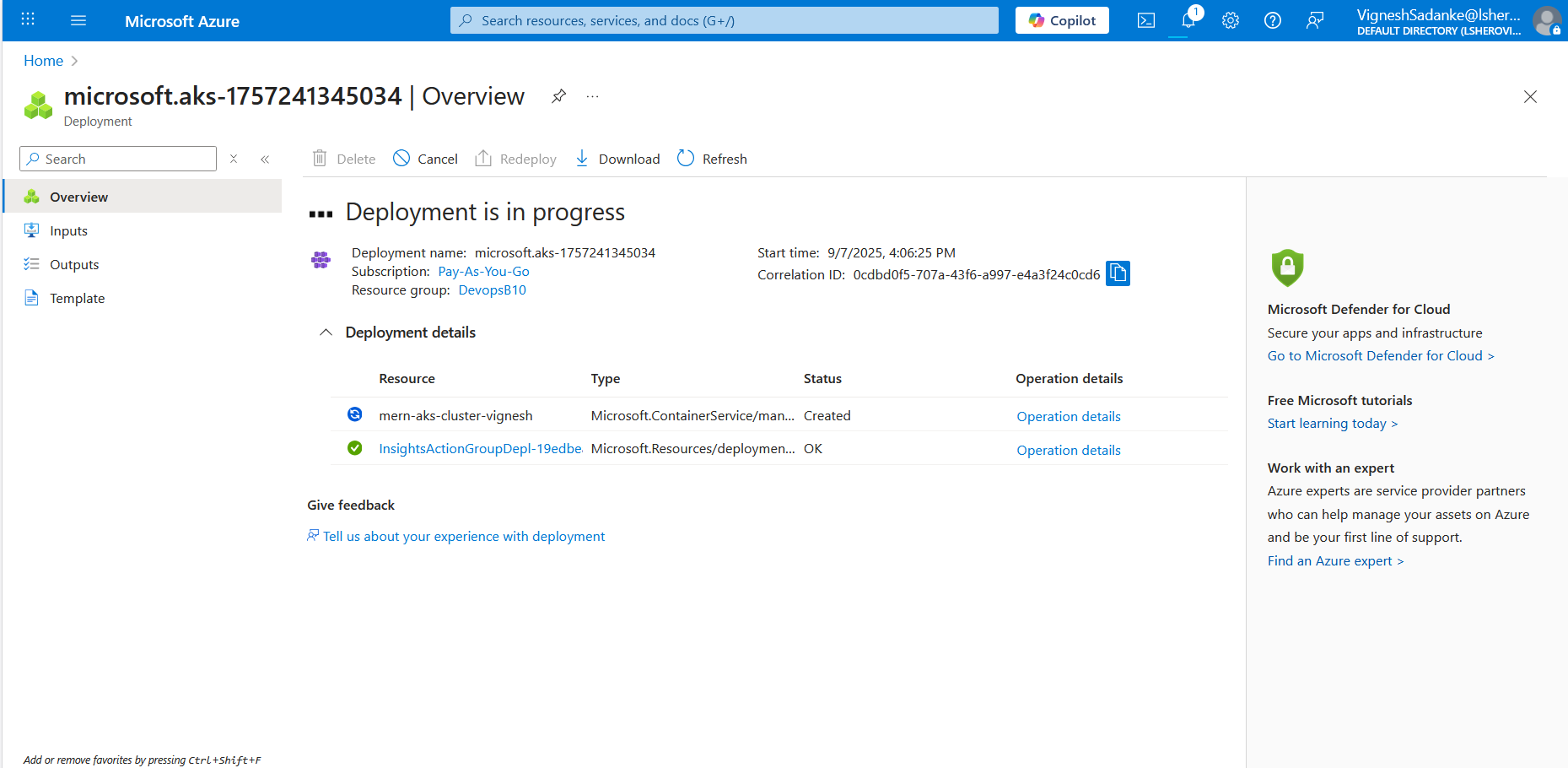
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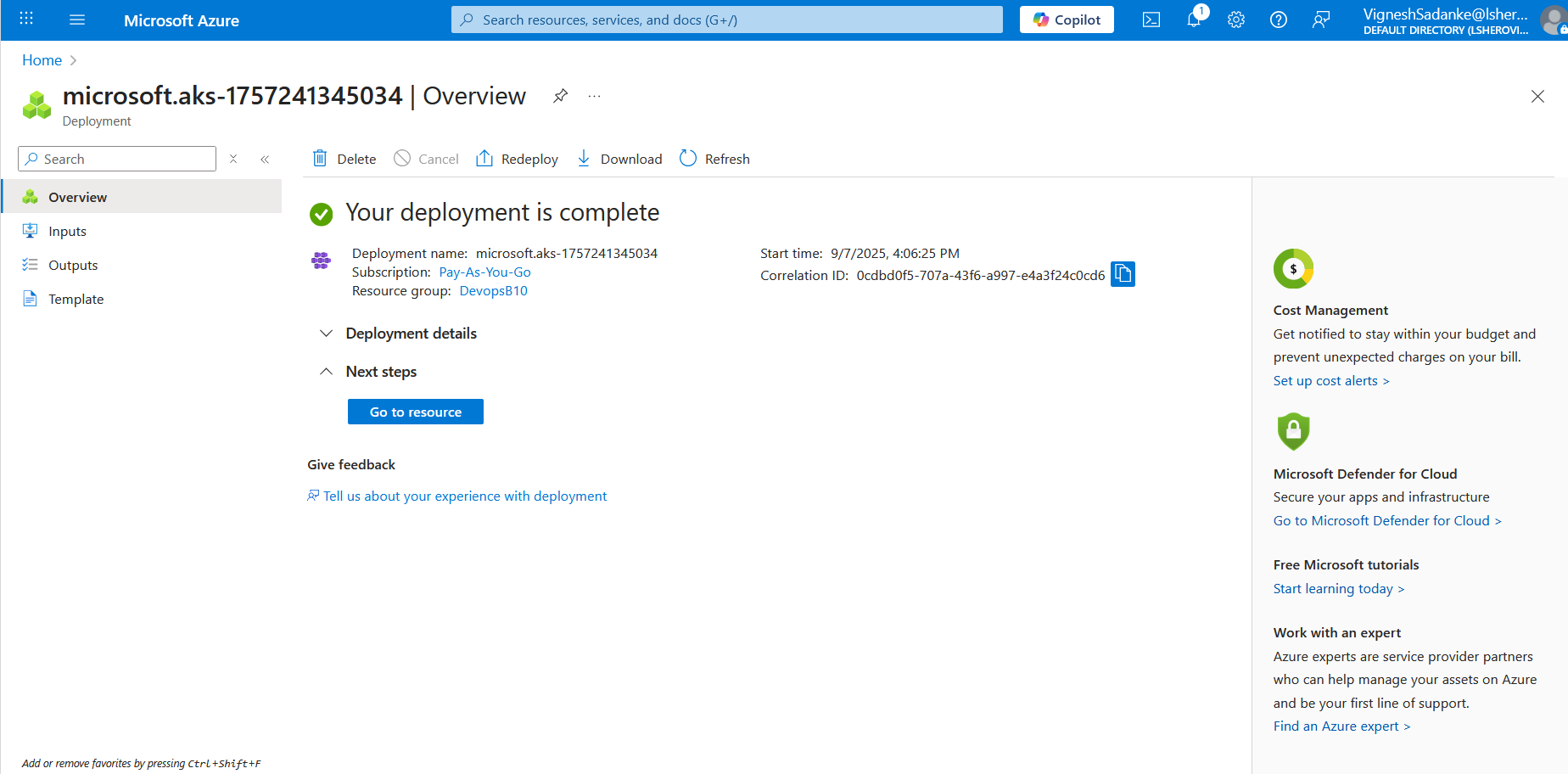
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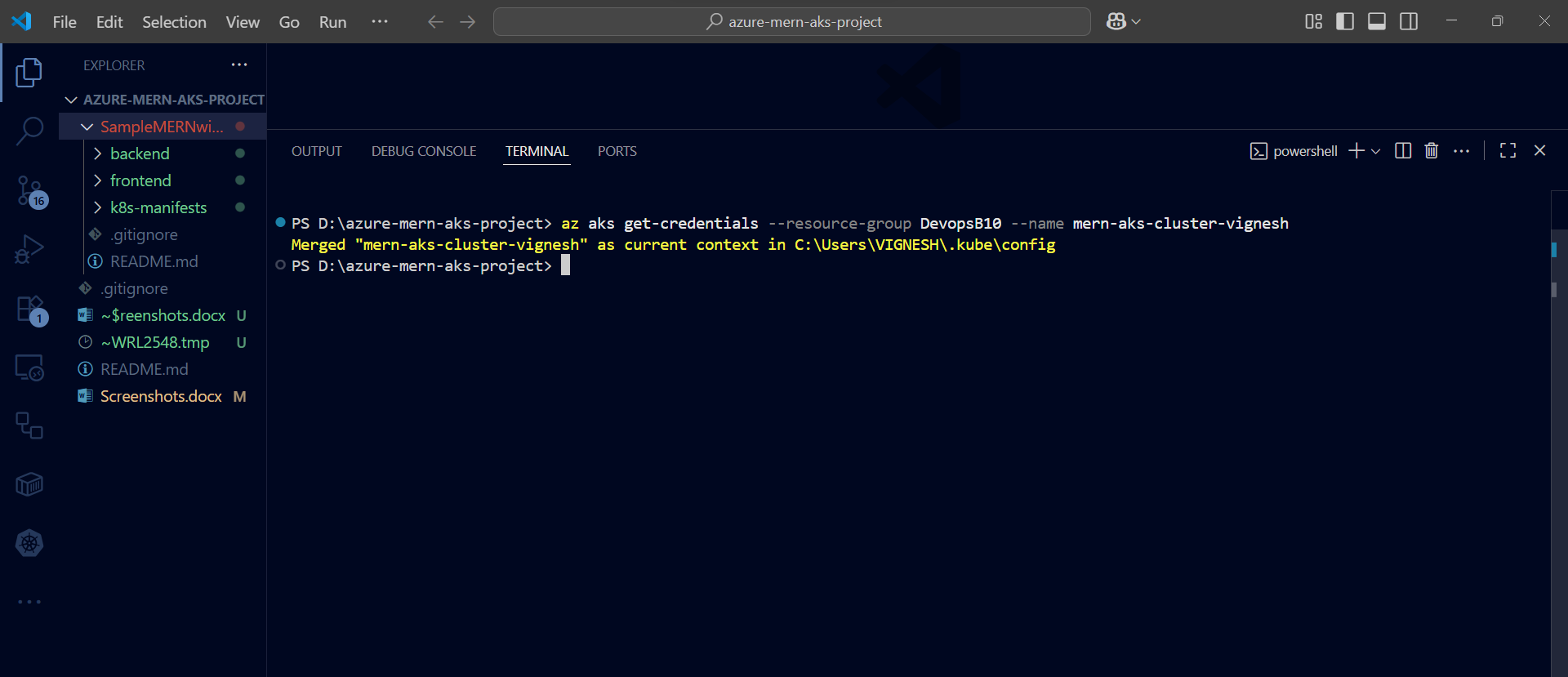
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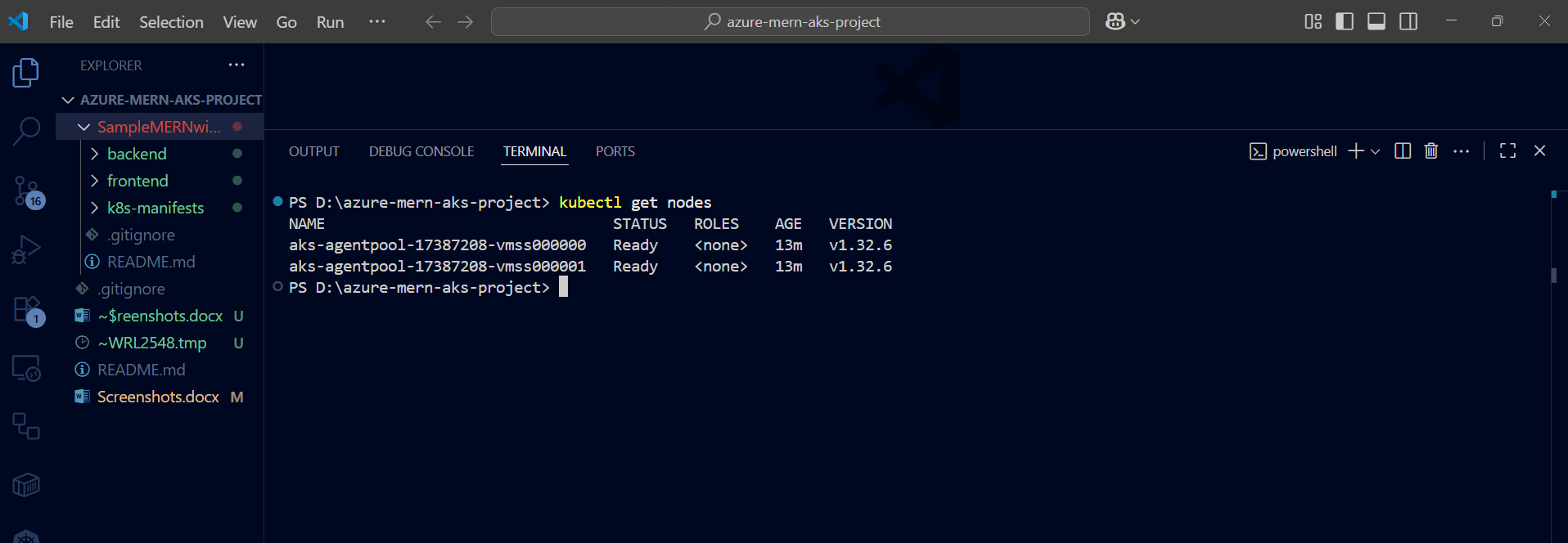
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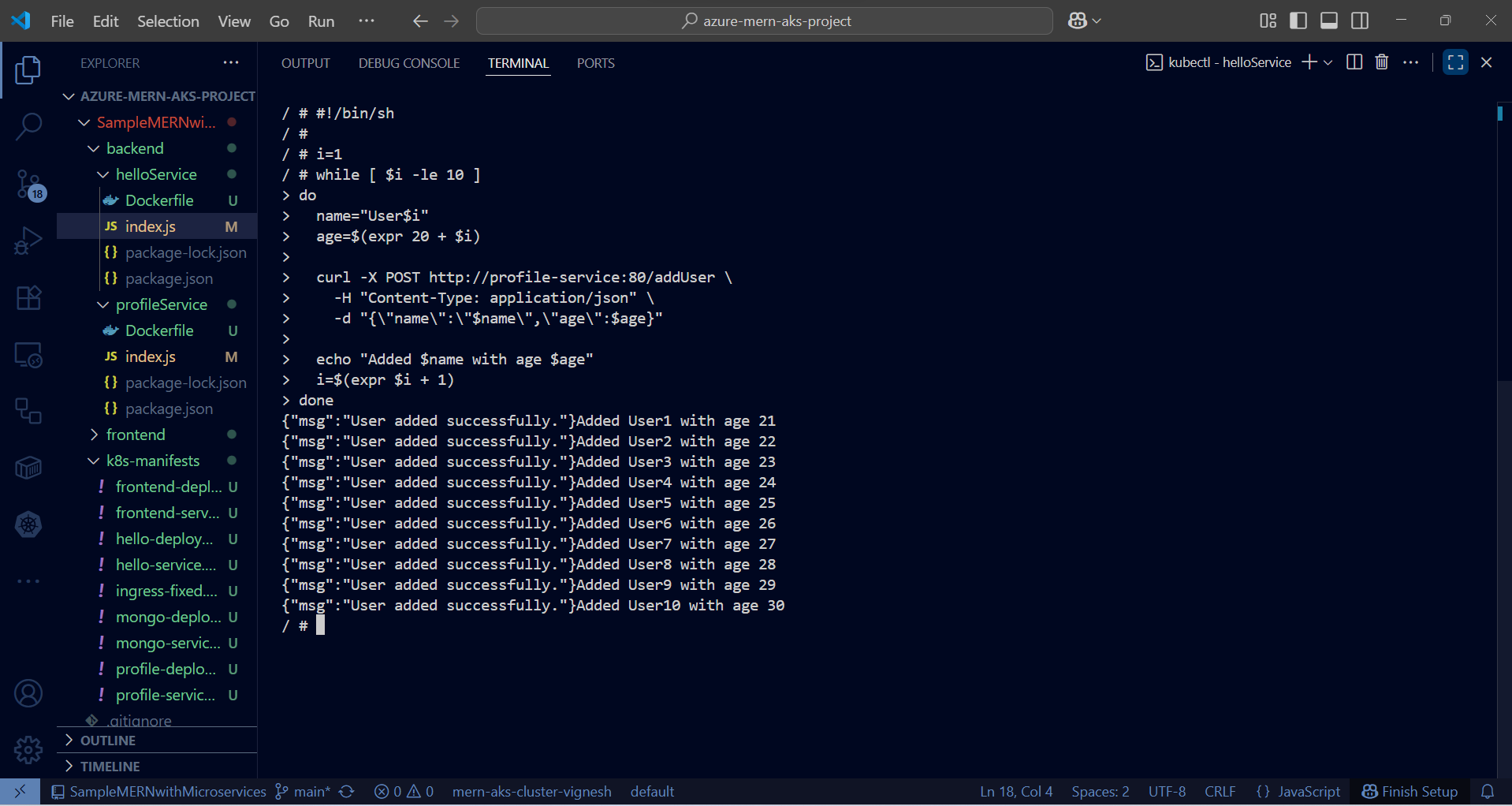
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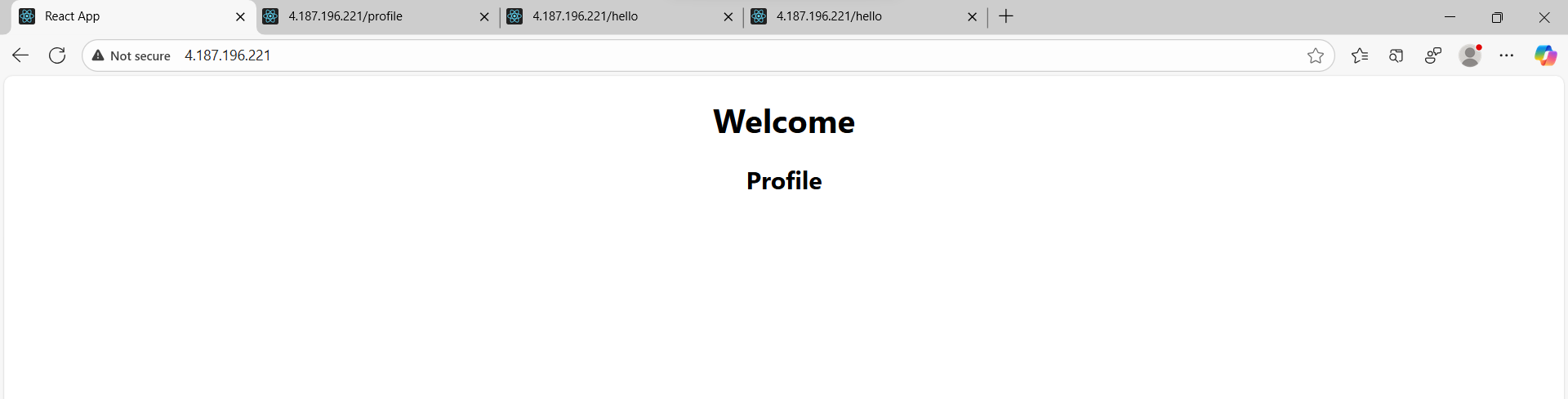
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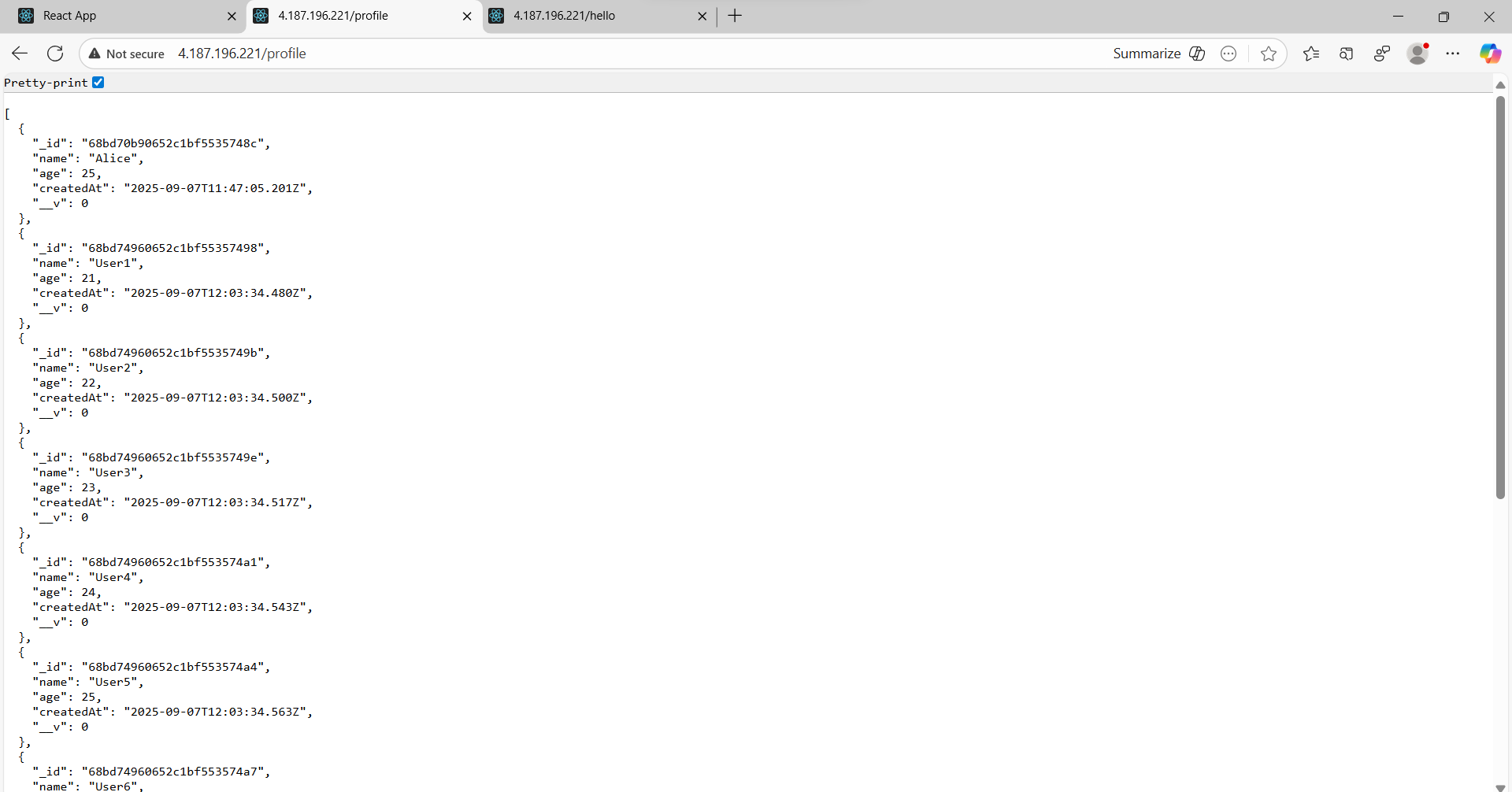
**Step 1: Connect to Your Cluster**

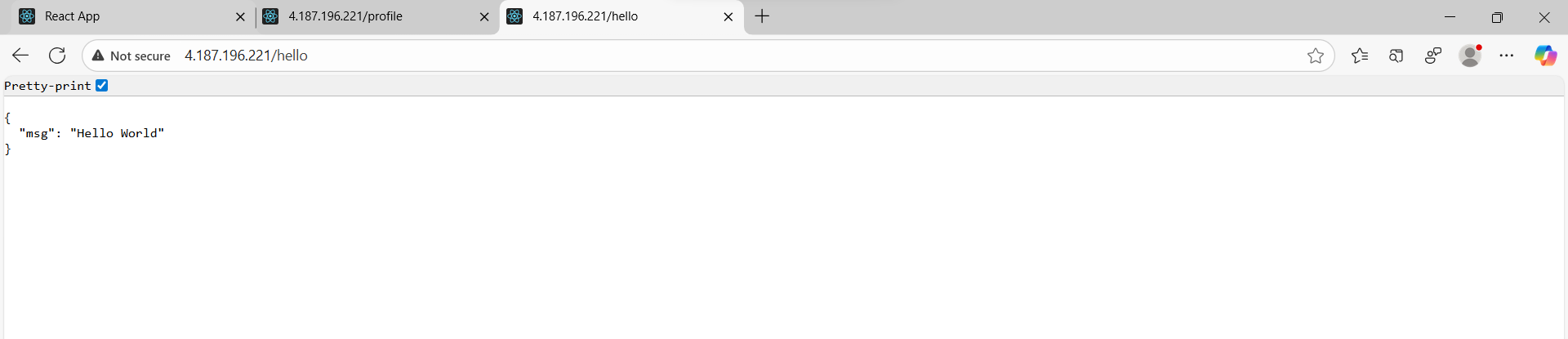
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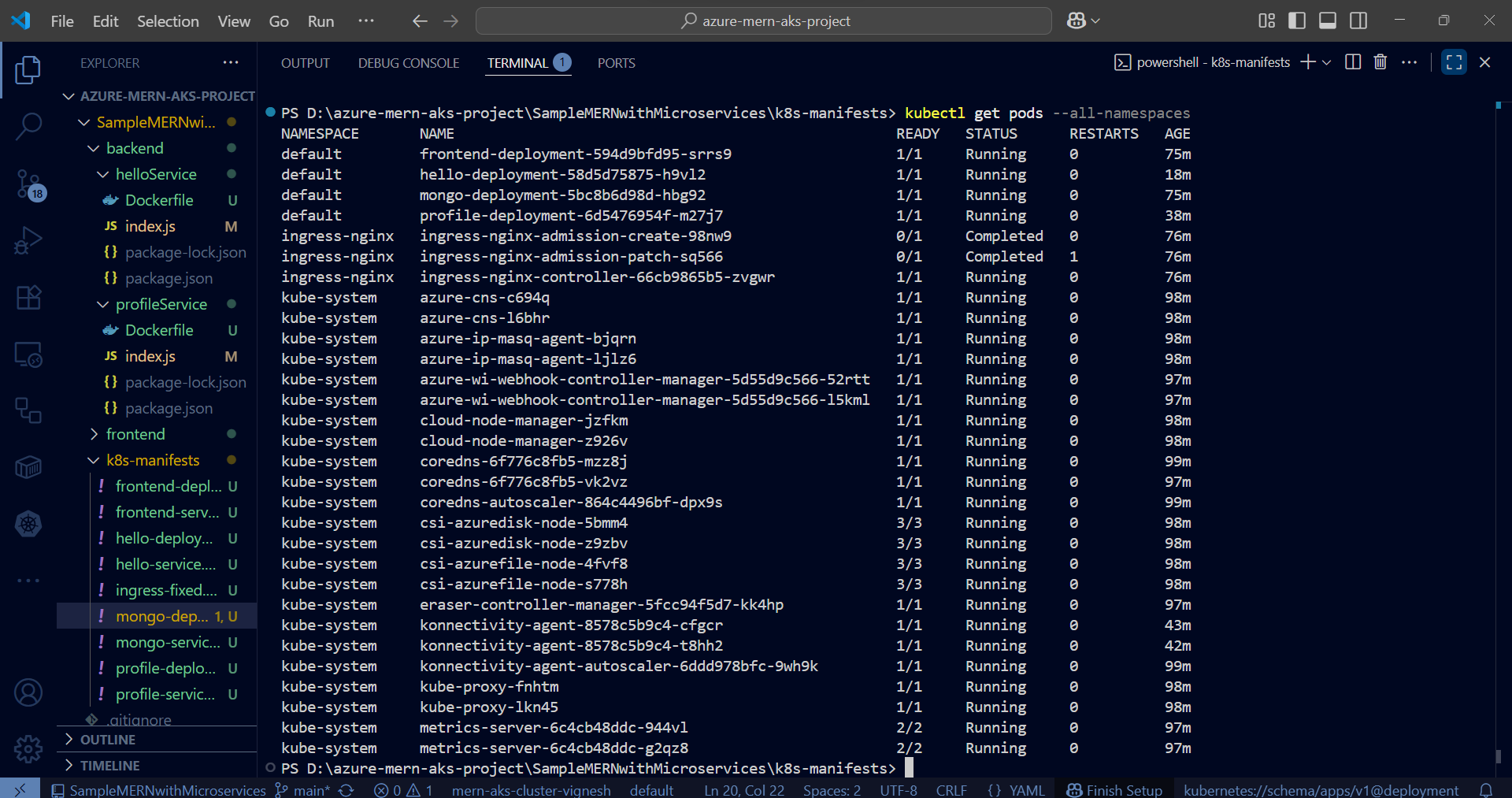
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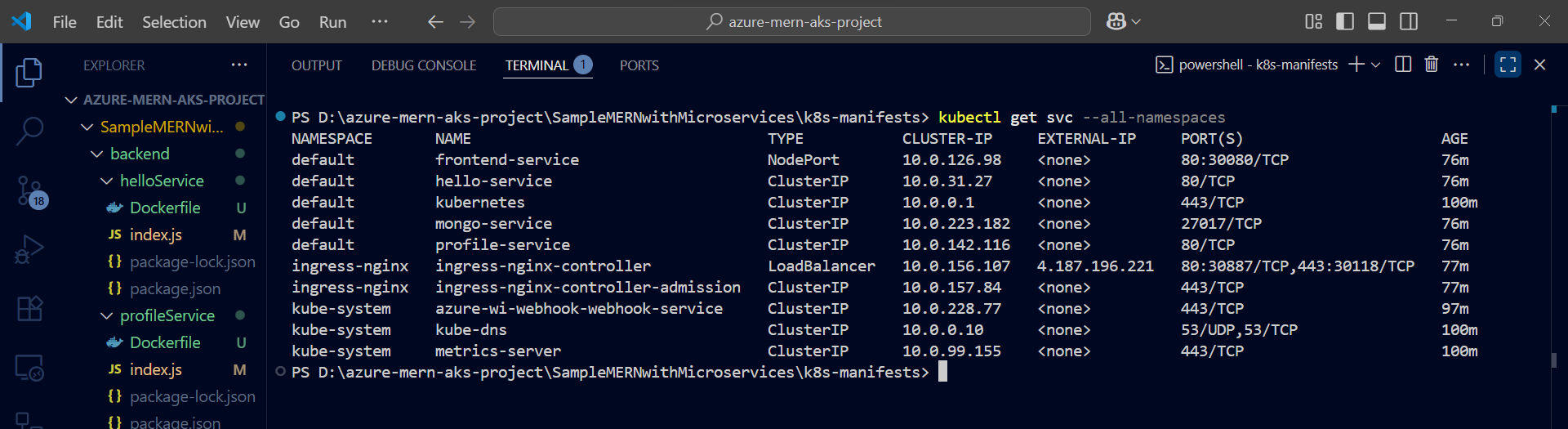
**Verify in Mongo:**

****

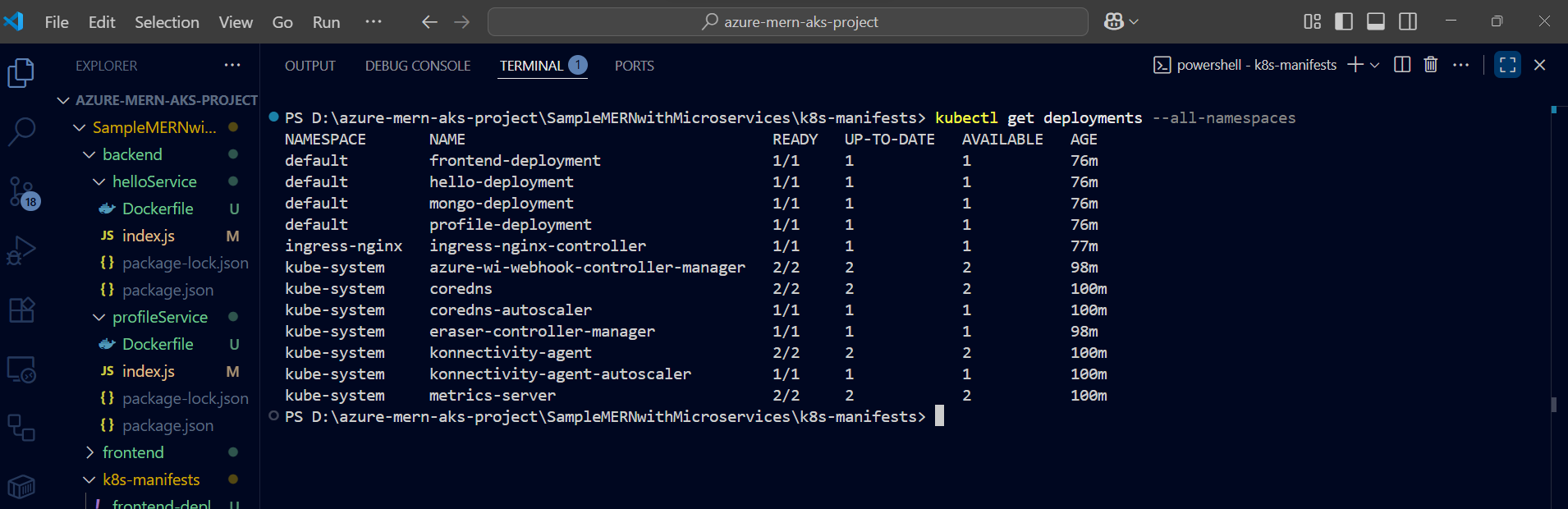
**Show all pods in all namespaces:**

****

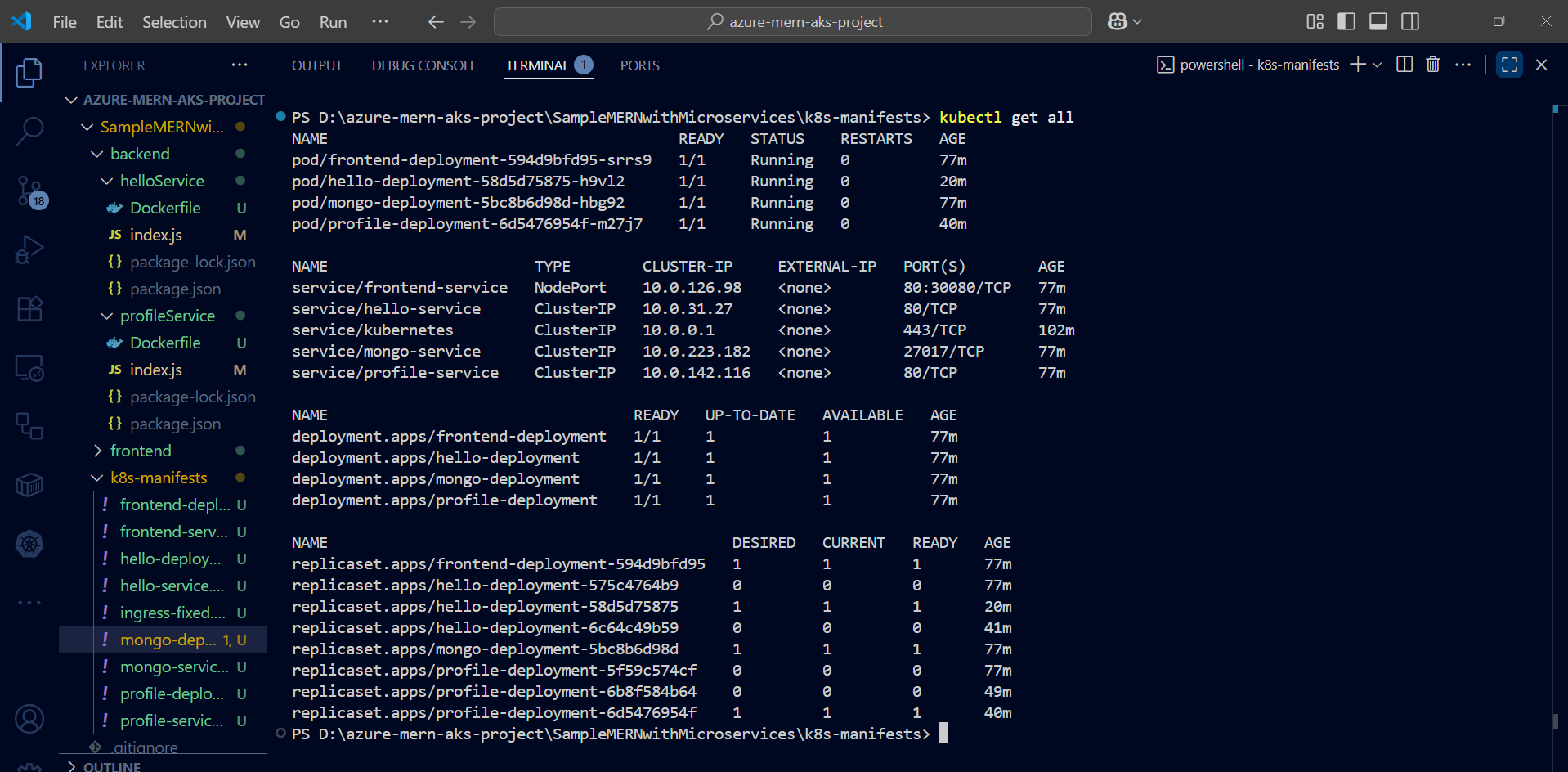
**Show all services in all namespaces:**

****

**Show all deployments in all namespaces:**

****

**kubectl get all:**

****