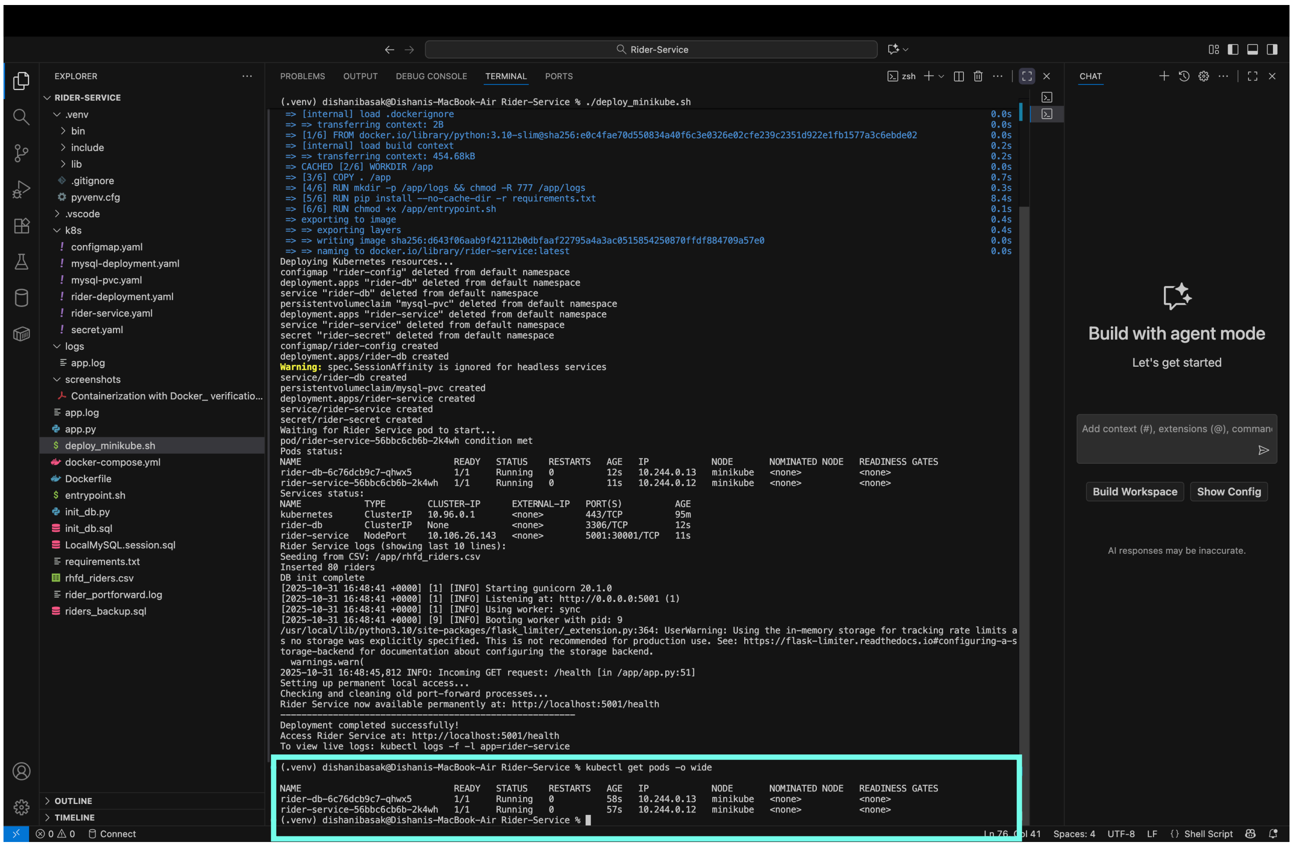
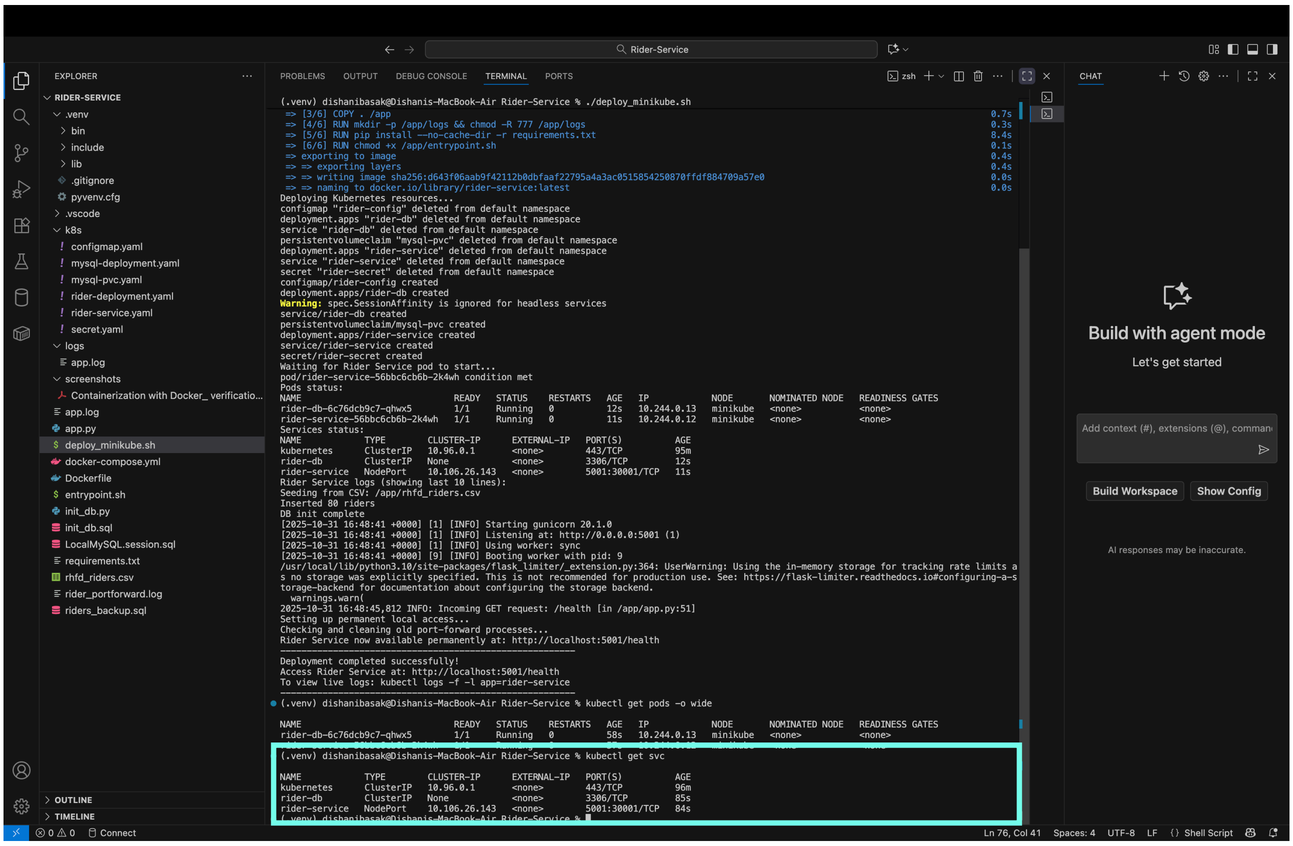
kubectl get pods



```
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % ./deploy_minikube.sh
 => [internal] load .dockerignore                                                                         0.0s
 => => transferring context: 2B                                                                           0.0s
 => [1/6] FROM docker.io/library/python:3.10-slim@sha256:e0c4fae70d550834a40f6c3e0326e02cfe239c2351d922e1fb1577a3c6ebde02   0.0s
 => [internal] load build context                                                                         0.2s
 => => transferring context: 454.68kB                                                                     0.2s
 => CACHED [2/6] WORKDIR /app                                                                             0.0s
 => [3/6] COPY . /app                                                                                     0.7s
 => [4/6] RUN mkdir -p /app/logs && chmod -R 777 /app/logs                                                0.3s
 => [5/6] RUN pip install --no-cache-dir -r requirements.txt                                              8.4s
 => [6/6] RUN chmod +x /app/entrypoint.sh                                                                 0.1s
 => exporting to image                                                                                    0.4s
 => => exporting layers                                                                                   0.4s
 => => writing image sha256:d643f06aab9f42112b0dbfaaf22795a4a3ac0515854250870ffdf884709a57e0               0.0s
 => => naming to docker.io/library/rider-service:latest                                                   0.0s
Deploying Kubernetes resources...
configmap "rider-config" deleted from default namespace
deployment.apps "rider-db" deleted from default namespace
service "rider-db" deleted from default namespace
persistentvolumeclaim "mysql-pvc" deleted from default namespace
deployment.apps "rider-service" deleted from default namespace
service "rider-service" deleted from default namespace
secret "rider-secret" deleted from default namespace
configmap/rider-config created
deployment.apps/rider-db created
Warning: spec.SessionAffinity is ignored for headless services
service/rider-db created
persistentvolumeclaim/mysql-pvc created
deployment.apps/rider-service created
service/rider-service created
secret/rider-secret created
Waiting for Rider Service pod to start...
pod/rider-service-56bbc6cb6b-2k4wh condition met
Pods status:
NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          12s   10.244.0.13   minikube   <none>           <none>
rider-service-56bbc6cb6b-2k4wh   1/1     Running   0          11s   10.244.0.12   minikube   <none>           <none>
Services status:
NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          95m
rider-db        ClusterIP   None            <none>        3306/TCP         12s
rider-service   NodePort    10.106.26.143   <none>        5001:30001/TCP   11s
Rider Service logs (showing last 10 lines):
Seeding from CSV: /app/rhfd_riders.csv
Inserted 80 riders
DB init complete
[2025-10-31 16:48:41 +0000] [1] [INFO] Starting gunicorn 20.1.0
[2025-10-31 16:48:41 +0000] [1] [INFO] Listening at: http://0.0.0.0:5001 (1)
[2025-10-31 16:48:41 +0000] [1] [INFO] Using worker: sync
[2025-10-31 16:48:41 +0000] [9] [INFO] Booting worker with pid: 9
/usr/local/lib/python3.10/site-packages/flask_limiter/_extension.py:364: UserWarning: Using the in-memory storage for tracking rate limits a
s no storage was explicitly specified. This is not recommended for production use. See: https://flask-limiter.readthedocs.io#configuring-a-s
torage-backend for documentation about configuring the storage backend.
  warnings.warn(
2025-10-31 16:48:45,812 INFO: Incoming GET request: /health [in /app/app.py:51]
Setting up permanent local access...
Checking and cleaning old port-forward processes...
Rider Service now available permanently at: http://localhost:5001/health
---------------------------------------------------------
Deployment completed successfully!
Access Rider Service at: http://localhost:5001/health
To view live logs: kubectl logs -f -l app=rider-service
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl get pods -o wide

NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          58s   10.244.0.13   minikube   <none>           <none>
rider-service-56bbc6cb6b-2k4wh   1/1     Running   0          57s   10.244.0.12   minikube   <none>           <none>
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % 
```

kubectl get svc

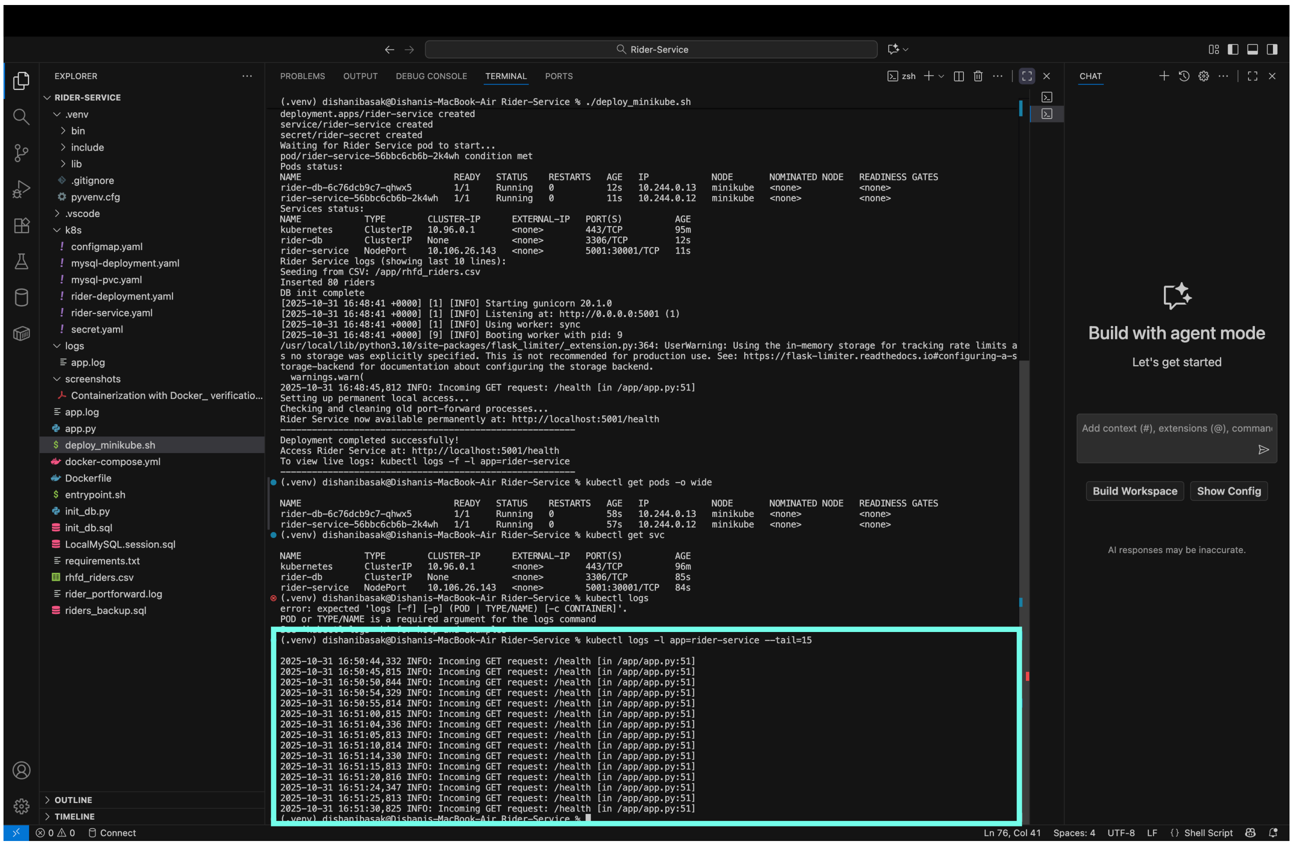


```
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % ./deploy_minikube.sh
 => [3/6] COPY . /app                                                                                     0.7s
 => [4/6] RUN mkdir -p /app/logs && chmod -R 777 /app/logs                                                0.3s
 => [5/6] RUN pip install --no-cache-dir -r requirements.txt                                              8.4s
 => [6/6] RUN chmod +x /app/entrypoint.sh                                                                 0.1s
 => exporting to image                                                                                    0.4s
 => => exporting layers                                                                                   0.4s
 => => writing image sha256:d643f06aab9f42112b0dbfaaf22795a4a3ac0515854250870ffdf884709a57e0               0.0s
 => => naming to docker.io/library/rider-service:latest                                                   0.0s
Deploying Kubernetes resources...
configmap "rider-config" deleted from default namespace
deployment.apps "rider-db" deleted from default namespace
service "rider-db" deleted from default namespace
persistentvolumeclaim "mysql-pvc" deleted from default namespace
deployment.apps "rider-service" deleted from default namespace
service "rider-service" deleted from default namespace
secret "rider-secret" deleted from default namespace
configmap/rider-config created
deployment.apps/rider-db created
Warning: spec.SessionAffinity is ignored for headless services
service/rider-db created
persistentvolumeclaim/mysql-pvc created
deployment.apps/rider-service created
service/rider-service created
secret/rider-secret created
Waiting for Rider Service pod to start...
pod/rider-service-56bbc6cb6b-2k4wh condition met
Pods status:
NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          12s   10.244.0.13   minikube   <none>           <none>
rider-service-56bbc6cb6b-2k4wh   1/1     Running   0          11s   10.244.0.12   minikube   <none>           <none>
Services status:
NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          95m
rider-db        ClusterIP   None            <none>        3306/TCP         12s
rider-service   NodePort    10.106.26.143   <none>        5001:30001/TCP   11s
Rider Service logs (showing last 10 lines):
Seeding from CSV: /app/rhfd_riders.csv
Inserted 80 riders
DB init complete
[2025-10-31 16:48:41 +0000] [1] [INFO] Starting gunicorn 20.1.0
[2025-10-31 16:48:41 +0000] [1] [INFO] Listening at: http://0.0.0.0:5001 (1)
[2025-10-31 16:48:41 +0000] [1] [INFO] Using worker: sync
[2025-10-31 16:48:41 +0000] [9] [INFO] Booting worker with pid: 9
/usr/local/lib/python3.10/site-packages/flask_limiter/_extension.py:364: UserWarning: Using the in-memory storage for tracking rate limits a
s no storage was explicitly specified. This is not recommended for production use. See: https://flask-limiter.readthedocs.io#configuring-a-s
torage-backend for documentation about configuring the storage backend.
  warnings.warn(
2025-10-31 16:48:45,812 INFO: Incoming GET request: /health [in /app/app.py:51]
Setting up permanent local access...
Checking and cleaning old port-forward processes...
Rider Service now available permanently at: http://localhost:5001/health
---------------------------------------------------------
Deployment completed successfully!
Access Rider Service at: http://localhost:5001/health
To view live logs: kubectl logs -f -l app=rider-service
---------------------------------------------------------
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl get pods -o wide

NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          58s   10.244.0.13   minikube   <none>           <none>
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl get svc

NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          96m
rider-db        ClusterIP   None            <none>        3306/TCP         85s
rider-service   NodePort    10.106.26.143   <none>        5001:30001/TCP   84s
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % 
```

kubectl logs



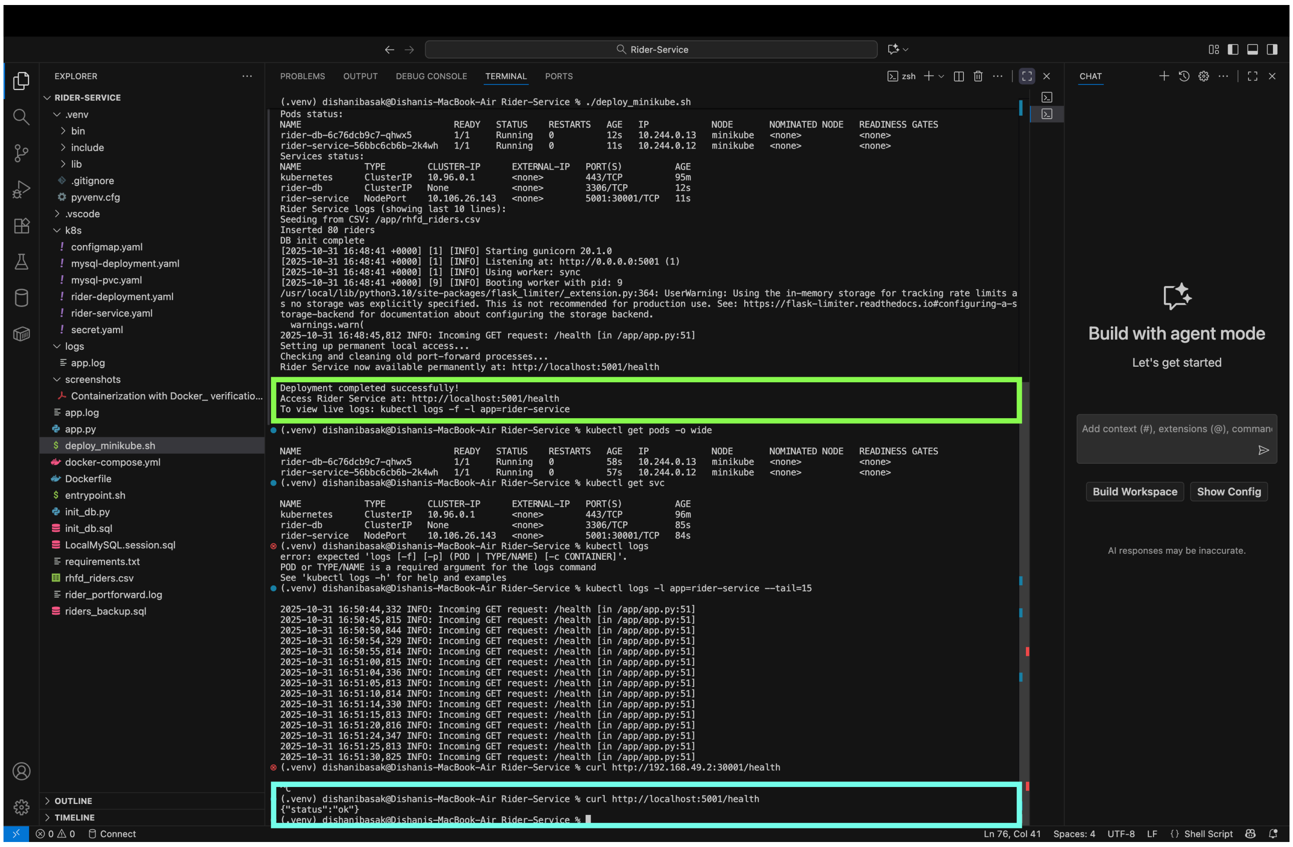
```
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % ./deploy_minikube.sh
deployment.apps/rider-service created
service/rider-service created
secret/rider-secret created
Waiting for Rider Service pod to start...
pod/rider-service-56bbc6cb6b-2k4wh condition met
Pods status:
NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          12s   10.244.0.13   minikube   <none>           <none>
rider-service-56bbc6cb6b-2k4wh   1/1     Running   0          11s   10.244.0.12   minikube   <none>           <none>
Services status:
NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          95m
rider-db        ClusterIP   None            <none>        3306/TCP         12s
rider-service   NodePort    10.106.26.143   <none>        5001:30001/TCP   11s
Rider Service logs (showing last 10 lines):
Seeding from CSV: /app/rhfd_riders.csv
Inserted 80 riders
DB init complete
[2025-10-31 16:48:41 +0000] [1] [INFO] Starting gunicorn 20.1.0
[2025-10-31 16:48:41 +0000] [1] [INFO] Listening at: http://0.0.0.0:5001 (1)
[2025-10-31 16:48:41 +0000] [1] [INFO] Using worker: sync
[2025-10-31 16:48:41 +0000] [9] [INFO] Booting worker with pid: 9
/usr/local/lib/python3.10/site-packages/flask_limiter/_extension.py:364: UserWarning: Using the in-memory storage for tracking rate limits a
s no storage was explicitly specified. This is not recommended for production use. See: https://flask-limiter.readthedocs.io#configuring-a-s
torage-backend for documentation about configuring the storage backend.
  warnings.warn(
2025-10-31 16:48:45,812 INFO: Incoming GET request: /health [in /app/app.py:51]
Setting up permanent local access...
Checking and cleaning old port-forward processes...
Rider Service now available permanently at: http://localhost:5001/health
--------------------------------------------------------
Deployment completed successfully!
Access Rider Service at: http://localhost:5001/health
To view live logs: kubectl logs -f -l app=rider-service
--------------------------------------------------------
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl get pods -o wide

NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          58s   10.244.0.13   minikube   <none>           <none>
rider-service-56bbc6cb6b-2k4wh   1/1     Running   0          57s   10.244.0.12   minikube   <none>           <none>
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl get svc

NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          96m
rider-db        ClusterIP   None            <none>        3306/TCP         85s
rider-service   NodePort    10.106.26.143   <none>        5001:30001/TCP   84s
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl logs
error: expected 'logs [-f] [-p] (POD | TYPE/NAME) [-c CONTAINER]'.
POD or TYPE/NAME is a required argument for the logs command
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl logs -l app=rider-service --tail=15

2025-10-31 16:50:44,332 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:45,815 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:50,844 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:54,329 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:55,814 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:00,815 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:04,336 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:05,813 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:10,814 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:14,330 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:15,813 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:20,816 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:24,347 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:25,813 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:30,825 INFO: Incoming GET request: /health [in /app/app.py:51]
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service %
```

curl or Postman test (against NodePort)



```
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % ./deploy_minikube.sh
Pods status:
NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          12s   10.244.0.13   minikube   <none>           <none>
rider-service-56bbc6cb6b-2k4wh   1/1     Running   0          11s   10.244.0.12   minikube   <none>           <none>
Services status:
NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          95m
rider-db        ClusterIP   None            <none>        3306/TCP         12s
rider-service   NodePort    10.106.26.143   <none>        5001:30001/TCP   11s
Rider Service logs (showing last 10 lines):
Seeding from CSV: /app/rhfd_riders.csv
Inserted 80 riders
DB init complete
[2025-10-31 16:48:41 +0000] [1] [INFO] Starting gunicorn 20.1.0
[2025-10-31 16:48:41 +0000] [1] [INFO] Listening at: http://0.0.0.0:5001 (1)
[2025-10-31 16:48:41 +0000] [1] [INFO] Using worker: sync
[2025-10-31 16:48:41 +0000] [9] [INFO] Booting worker with pid: 9
/usr/local/lib/python3.10/site-packages/flask_limiter/_extension.py:364: UserWarning: Using the in-memory storage for tracking rate limits a
s no storage was explicitly specified. This is not recommended for production use. See: https://flask-limiter.readthedocs.io#configuring-a-s
torage-backend for documentation about configuring the storage backend.
  warnings.warn(
2025-10-31 16:48:45,812 INFO: Incoming GET request: /health [in /app/app.py:51]
Setting up permanent local access...
Checking and cleaning old port-forward processes...
Rider Service now available permanently at: http://localhost:5001/health
Deployment completed successfully!
Access Rider Service at: http://localhost:5001/health
To view live logs: kubectl logs -f -l app=rider-service
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl get pods -o wide

NAME                             READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
rider-db-6c76dcb9c7-qhwx5        1/1     Running   0          58s   10.244.0.13   minikube   <none>           <none>
rider-service-56bbc6cb6b-2k4wh   1/1     Running   0          57s   10.244.0.12   minikube   <none>           <none>
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl get svc

NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          96m
rider-db        ClusterIP   None            <none>        3306/TCP         85s
rider-service   NodePort    10.106.26.143   <none>        5001:30001/TCP   84s
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl logs
error: expected 'logs [-f] [-p] (POD | TYPE/NAME) [-c CONTAINER]'.
POD or TYPE/NAME is a required argument for the logs command
See 'kubectl logs -h' for help and examples
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % kubectl logs -l app=rider-service --tail=15

2025-10-31 16:50:44,332 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:45,815 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:50,844 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:54,329 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:50:55,814 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:00,815 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:04,336 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:05,813 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:10,814 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:14,330 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:15,813 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:20,816 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:24,347 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:25,813 INFO: Incoming GET request: /health [in /app/app.py:51]
2025-10-31 16:51:30,825 INFO: Incoming GET request: /health [in /app/app.py:51]
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % curl http://192.168.49.2:30001/health

^C
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service % curl http://localhost:5001/health
{"status":"ok"}
(.venv) dishanibasak@Dishanis-MacBook-Air Rider-Service %
```