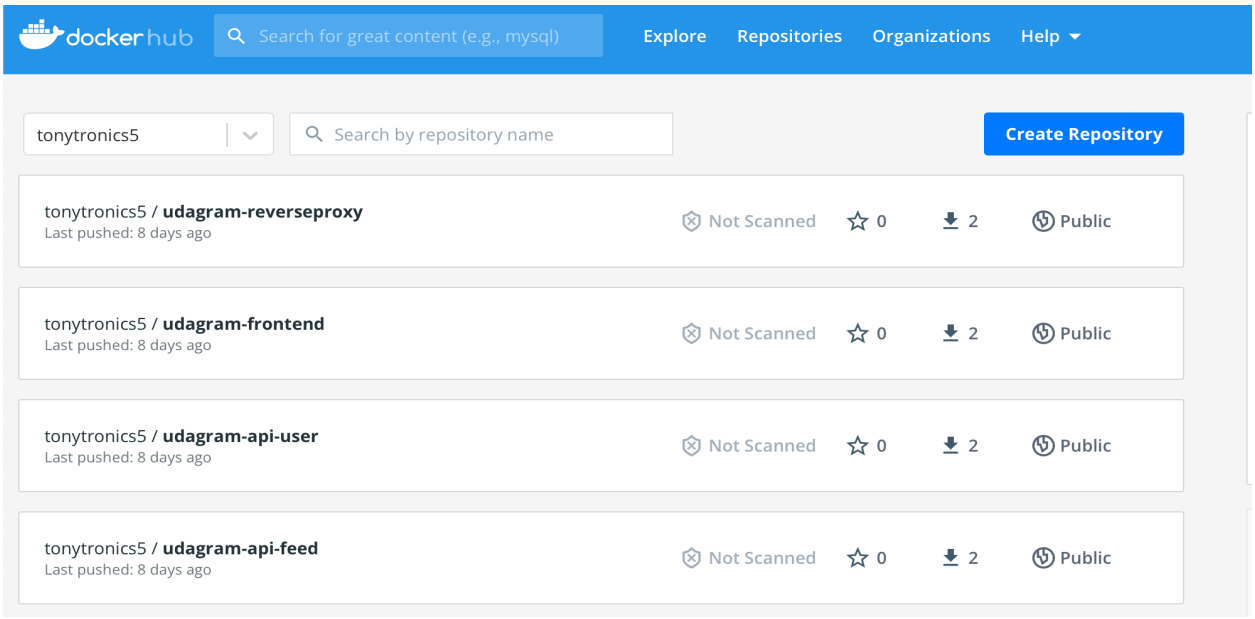
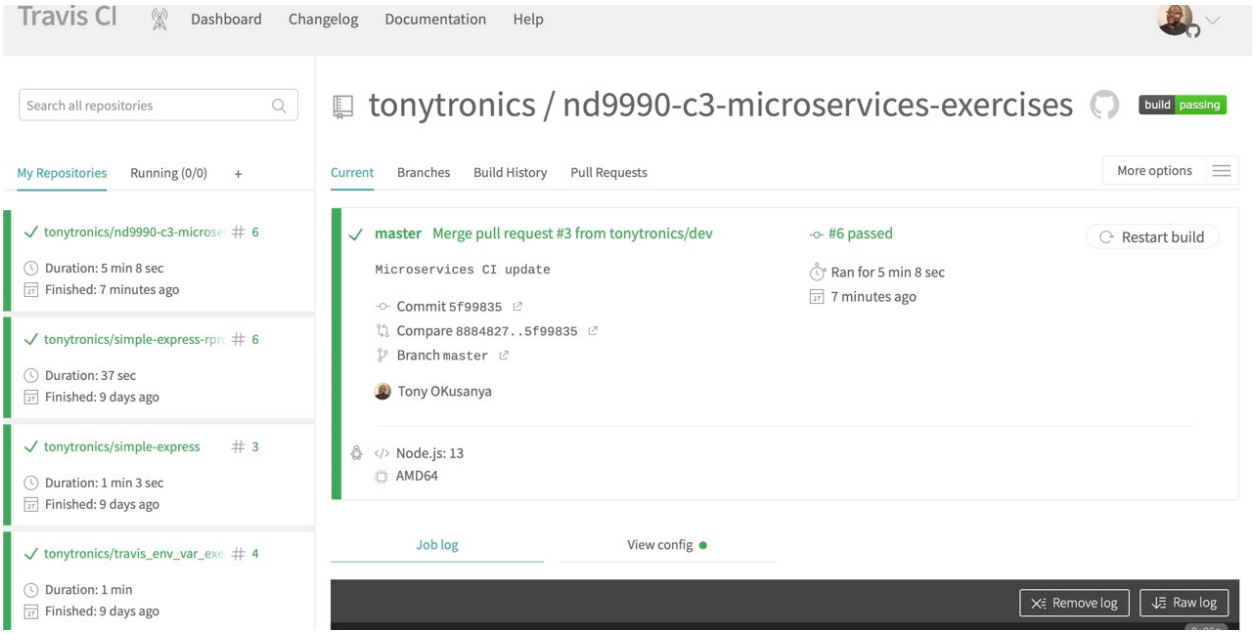
Udacity Nano Degree: Cloud Developer
Student: Tony Okusanya
Project: Refactor Monolith to Microservices

1. Docker Hub screen shot



Images
tonytronics5/udagram-reverseproxy:v1
tonytronics5/udagram-frontend:v1
tonytronics5/udagram-api-user:v1
tonytronics5/udagram-api-feed:v1

2. Travis-CI Build Screen shot

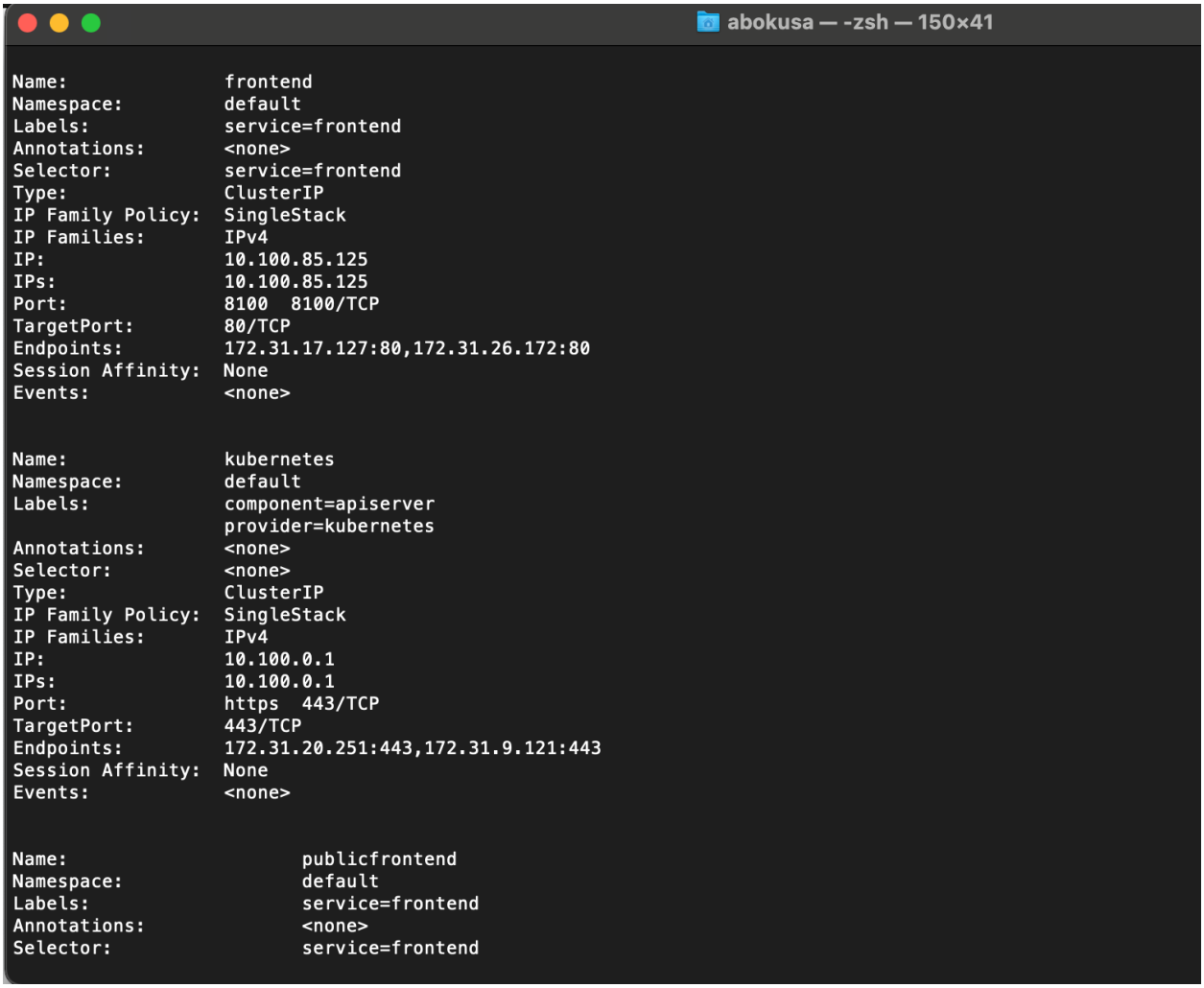


3. Ouput of the kubectl get pods command

```
Last login: Sun Feb 27 03:13:53 on ttys003
Login profile: ~.zshrc
abokusa@Anthonys-MacBook-Pro ~ % kubectl get pods
NAME                            READY   STATUS    RESTARTS   AGE
backend-feed-77574b855-vlpdf    1/1     Running   0          28m
backend-feed-77574b855-w9khc    1/1     Running   0          28m
backend-user-5bc6cb99c6-78dkz   1/1     Running   0          28m
backend-user-5bc6cb99c6-lbcnr   1/1     Running   0          28m
frontend-5764cbb8fb-4l6rd       1/1     Running   0          28m
frontend-5764cbb8fb-djtw4       1/1     Running   0          28m
reverseproxy-7f945495f4-jf7vv   1/1     Running   0          28m
reverseproxy-7f945495f4-mds9n   1/1     Running   0          28m
abokusa@Anthonys-MacBook-Pro ~ %
```

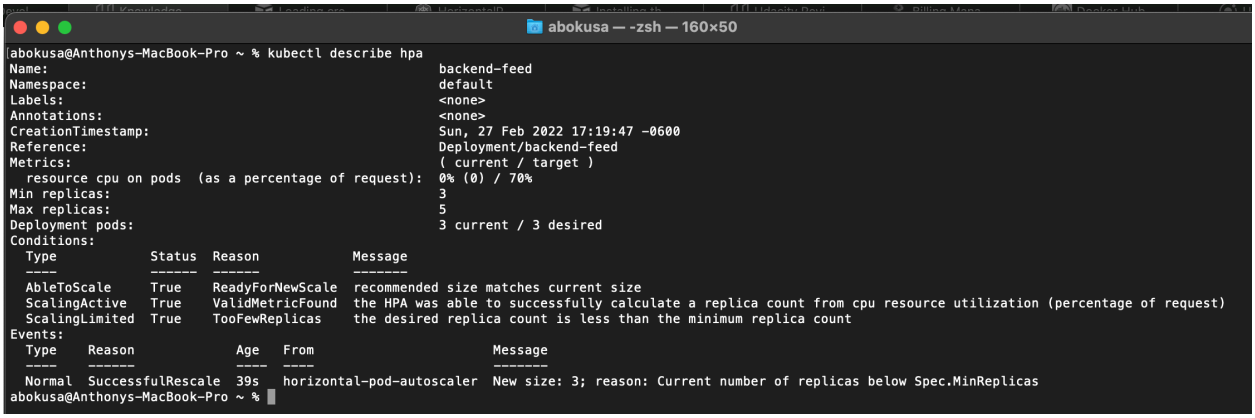
4. Outputs of the kubectl describe services command:

```
abokusa@Anthonys-MacBook-Pro ~ % kubectl describe services
Name:              backend-feed
Namespace:         default
Labels:            service=backend-feed
Annotations:       <none>
Selector:          service=backend-feed
Type:              ClusterIP
IP Family Policy:  SingleStack
IP Families:       IPv4
IP:                10.100.166.81
IPs:               10.100.166.81
Port:              8080  8080/TCP
TargetPort:        8080/TCP
Endpoints:         172.31.12.237:8080,172.31.30.236:8080
Session Affinity:  None
Events:            <none>


Name:              backend-user
Namespace:         default
Labels:            service=backend-user
Annotations:       <none>
Selector:          service=backend-user
Type:              ClusterIP
IP Family Policy:  SingleStack
IP Families:       IPv4
IP:                10.100.101.87
IPs:               10.100.101.87
Port:              8080  8080/TCP
TargetPort:        8080/TCP
Endpoints:         172.31.31.72:8080,172.31.5.171:8080
Session Affinity:  None
Events:            <none>
```

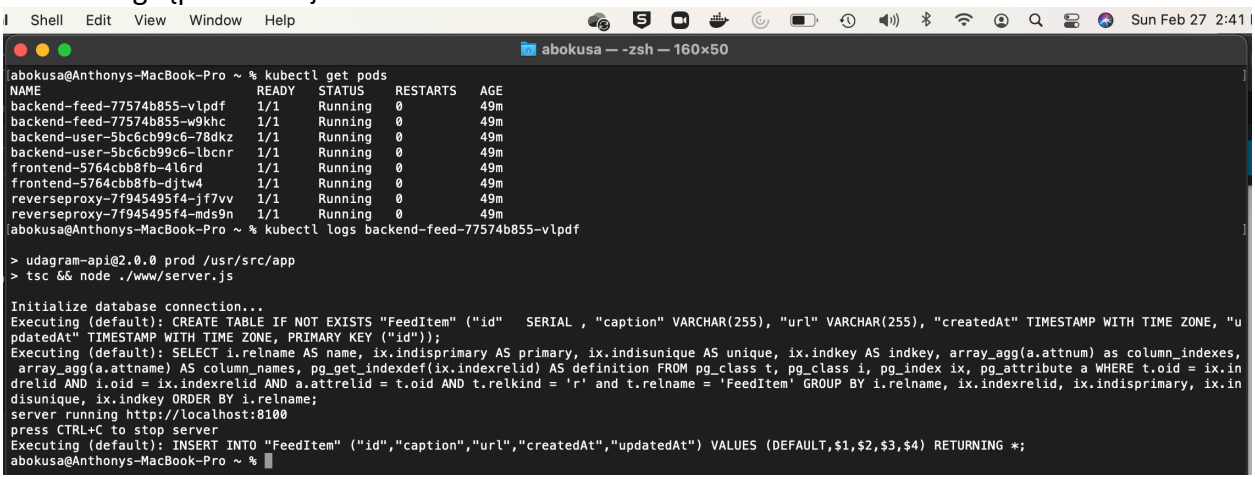

abokusa — -zsh — 150×41
Name: frontend
Namespace: default
Labels: service=frontend
Annotations: <none>
Selector: service=frontend
Type: ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.100.85.125
IPs: 10.100.85.125
Port: 8100 8100/TCP
TargetPort: 80/TCP
Endpoints: 172.31.17.127:80,172.31.26.172:80
Session Affinity: None
Events: <none>
Name: kubernetes
Namespace: default
Labels: component=apiserver
provider=kubernetes
Annotations: <none>
Selector: <none>
Type: ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.100.0.1
IPs: 10.100.0.1
Port: https 443/TCP
TargetPort: 443/TCP
Endpoints: 172.31.20.251:443,172.31.9.121:443
Session Affinity: None
Events: <none>
Name: publicfrontend
Namespace: default
Labels: service=frontend
Annotations: <none>
Selector: service=frontend

```
Name:                     publicfrontend
Namespace:                default
Labels:                   service=frontend
Annotations:              <none>
Selector:                 service=frontend
Type:                     LoadBalancer
IP Family Policy:         SingleStack
IP Families:              IPv4
IP:                       10.100.189.45
IPs:                      10.100.189.45
LoadBalancer Ingress:     a07ecd306e5b341a8b684de35e3c9da5-252629886.us-west-1.elb.amazonaws.com
Port:                     <unset>  80/TCP
TargetPort:               80/TCP
NodePort:                 <unset>  31165/TCP
Endpoints:                172.31.17.127:80,172.31.26.172:80
Session Affinity:         None
External Traffic Policy:  Cluster
Events:                   <none>


Name:                     publicreverseproxy
Namespace:                default
Labels:                   service=reverseproxy
Annotations:              <none>
Selector:                 service=reverseproxy
Type:                     LoadBalancer
IP Family Policy:         SingleStack
IP Families:              IPv4
IP:                       10.100.160.12
IPs:                      10.100.160.12
LoadBalancer Ingress:     a35dc53112a8a4d3dac67f3aa305435b-506690234.us-west-1.elb.amazonaws.com
Port:                     <unset>  8080/TCP
TargetPort:               8080/TCP
NodePort:                 <unset>  30688/TCP
Endpoints:                172.31.25.156:8080,172.31.3.51:8080
Session Affinity:         None
External Traffic Policy:  Cluster
Events:                   <none>


Name:              reverseproxy
Namespace:         default
Labels:            service=reverseproxy
Annotations:       <none>
Selector:          service=reverseproxy
Type:              ClusterIP
IP Family Policy:  SingleStack
IP Families:       IPv4
IP:                10.100.224.62
IPs:               10.100.224.62
Port:              8080  8080/TCP
TargetPort:        8080/TCP
Endpoints:         172.31.25.156:8080,172.31.3.51:8080
```

5. Kubectl describe hpa



6. Kubectl logs {pod name}



7. sdf