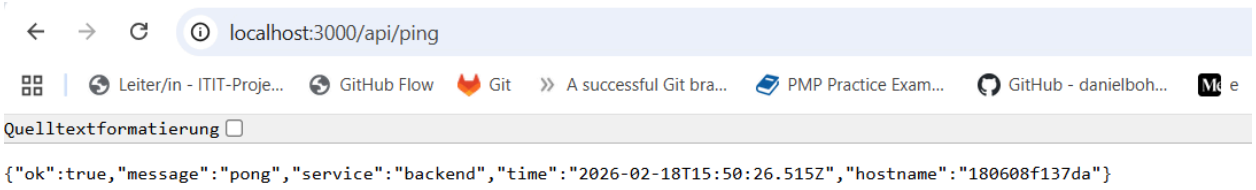
LAB | From Ingress to Gateway API — Traefik on EKS

Clone the Repository

```
vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From Ingress to Gateway API- Taraefik on EKS$ git clone https://github.com/professordiogodev/multi-tier-ingress-eks-lab
Cloning into 'multi-tier-ingress-eks-lab'...
remote: Enumerating objects: 14, done.
remote: Counting objects: 100% (14/14), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 14 (delta 0), reused 14 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (14/14), done.
```

Test Locally with Docker Compose

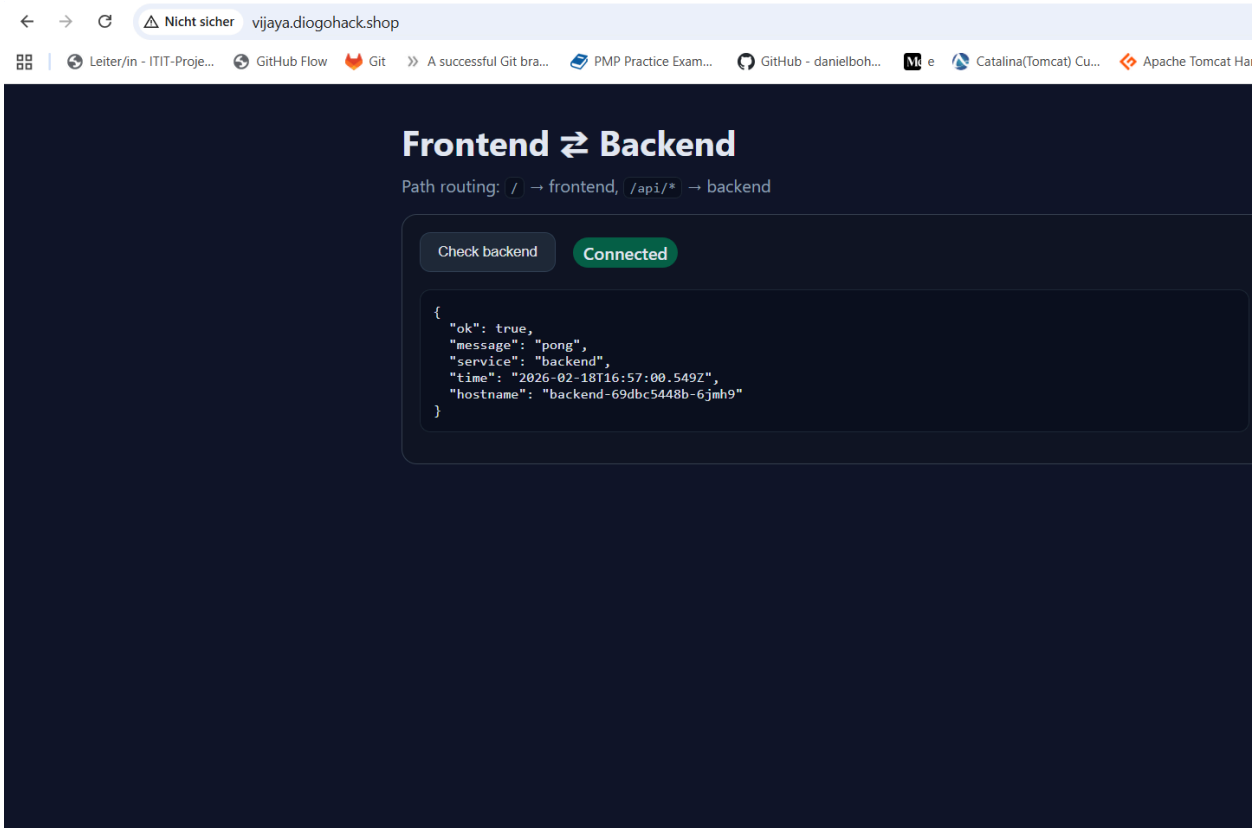



```
{"ok":true,"message":"pong","service":"backend","time":"2026-02-18T15:50:26.515Z","hostname":"180608f137da"}
```

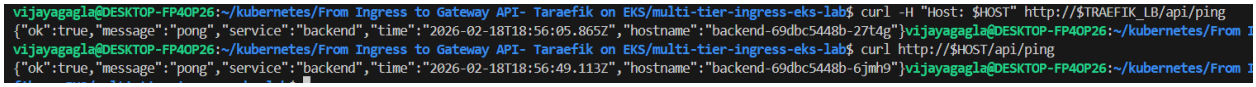

Deploy Your App with Traefik Ingress

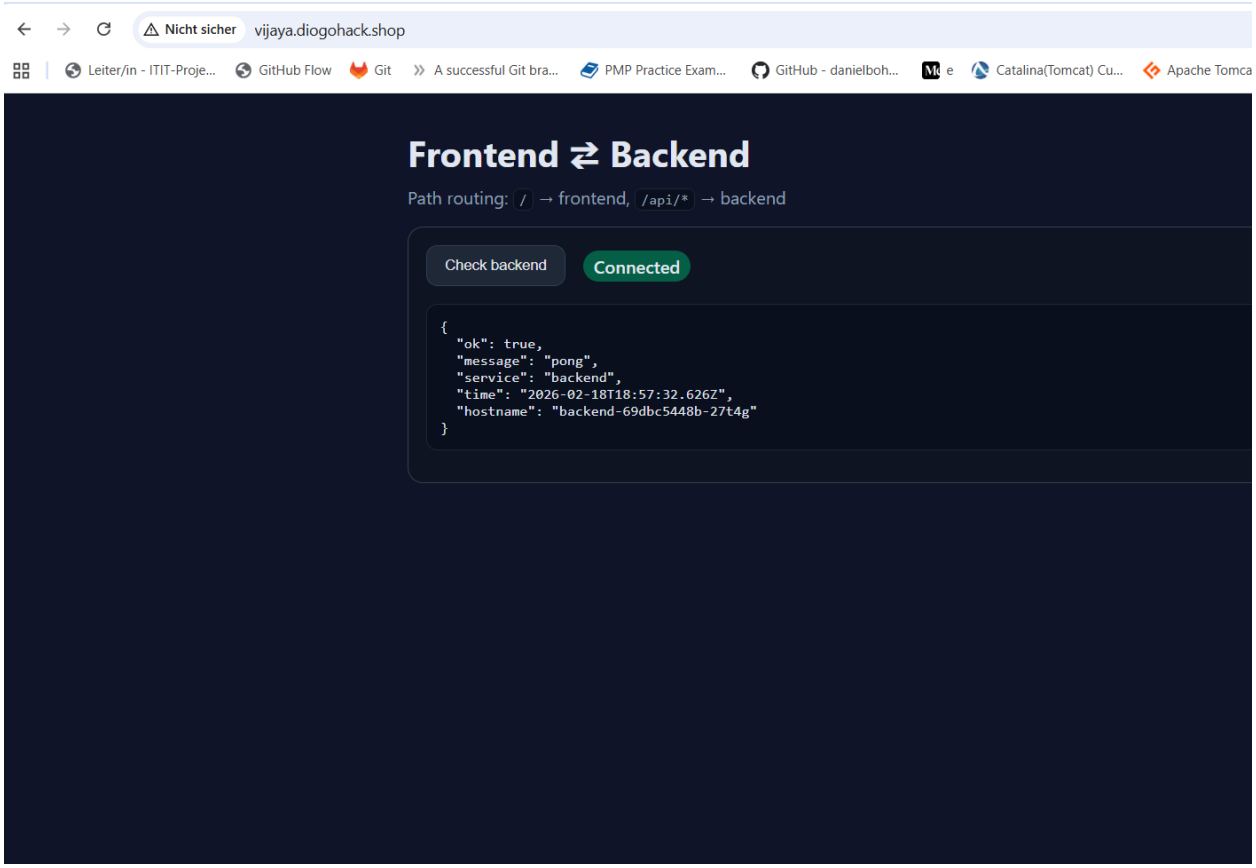
```
vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From Ingress to Gateway API- Taraefik on EKS/multi-tier-ingress-eks-lab$ curl -H "Host: $HOST" http://$TRAEFIK_LB/api/ping
```


```
vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From Ingress to Gateway API- Taraefik on EKS/multi-tier-ingress-eks-lab$ curl http://$HOST/api/ping
{"ok":true,"message":"pong","service":"backend","time":"2026-02-18T17:09:17.807Z","hostname":"backend-69dbc5448b-6jmh9"}vvvvvivivijavijayavij
```

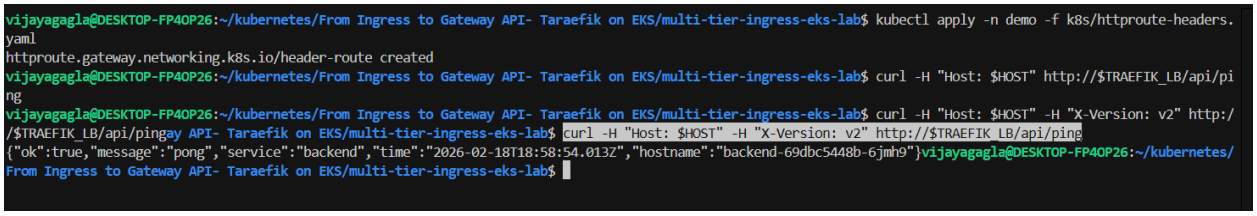

Nicht sicher
vijaya.diogohack.shop
Leiter/in - ITIT-Proje...
GitHub Flow
Git
A successful Git bra...
PMP Practice Exam...
GitHub - danielboh...
Catalina(Tomcat) Cu...
Apache Tomcat Ha
Frontend ⇄ Backend
Path routing: / → frontend, /api/* → backend
Check backend
Connected
{
"ok": true,
"message": "pong",
"service": "backend",
"time": "2026-02-18T16:57:00.549Z",
"hostname": "backend-69dbc5448b-6jmh9"
}

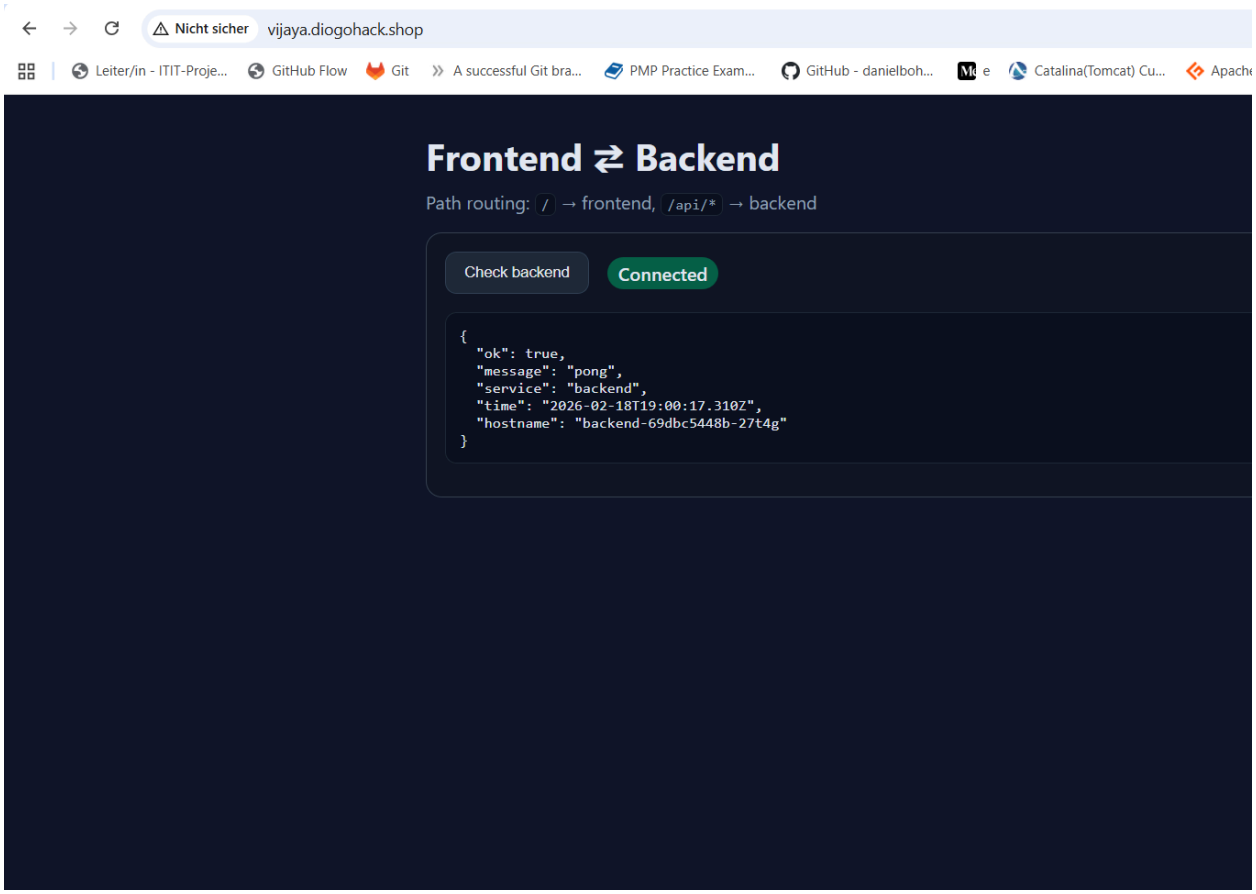
Gateway API


vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From Ingress to Gateway API- Taraefik on EKS/multi-tier-ingress-eks-lab$ curl -H "Host: $HOST" http://$TRAEFIK_LB/api/ping
{"ok":true,"message":"pong","service":"backend","time":"2026-02-18T18:56:05.865Z","hostname":"backend-69dbc5448b-27t4g"}vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From I
vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From Ingress to Gateway API- Taraefik on EKS/multi-tier-ingress-eks-lab$ curl http://$HOST/api/ping
{"ok":true,"message":"pong","service":"backend","time":"2026-02-18T18:56:49.113Z","hostname":"backend-69dbc5448b-6jmh9"}vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From I



Header-Based Routing





Traffic Splitting (Canary)

```
vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From Ingress to Gateway API- Taraefik on EKS/multi-tier-ingress-eks-lab$ kubectl apply -n demo -f k8s/httproute-canary.y
aml
httproute.gateway.networking.k8s.io/canary-route created
vijayagagla@DESKTOP-FP4OP26:~/kubernetes/From Ingress to Gateway API- Taraefik on EKS/multi-tier-ingress-eks-lab$ for i in $(seq 1 20); do curl -s -H "Host: $HOS
T" http://$TRAEFIK_LB/canary; echo; done
<html>
<head><title>404 Not Found</title></head>
<body>
<center><h1>404 Not Found</h1></center>
<hr><center>nginx/1.29.4</center>
</body>
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