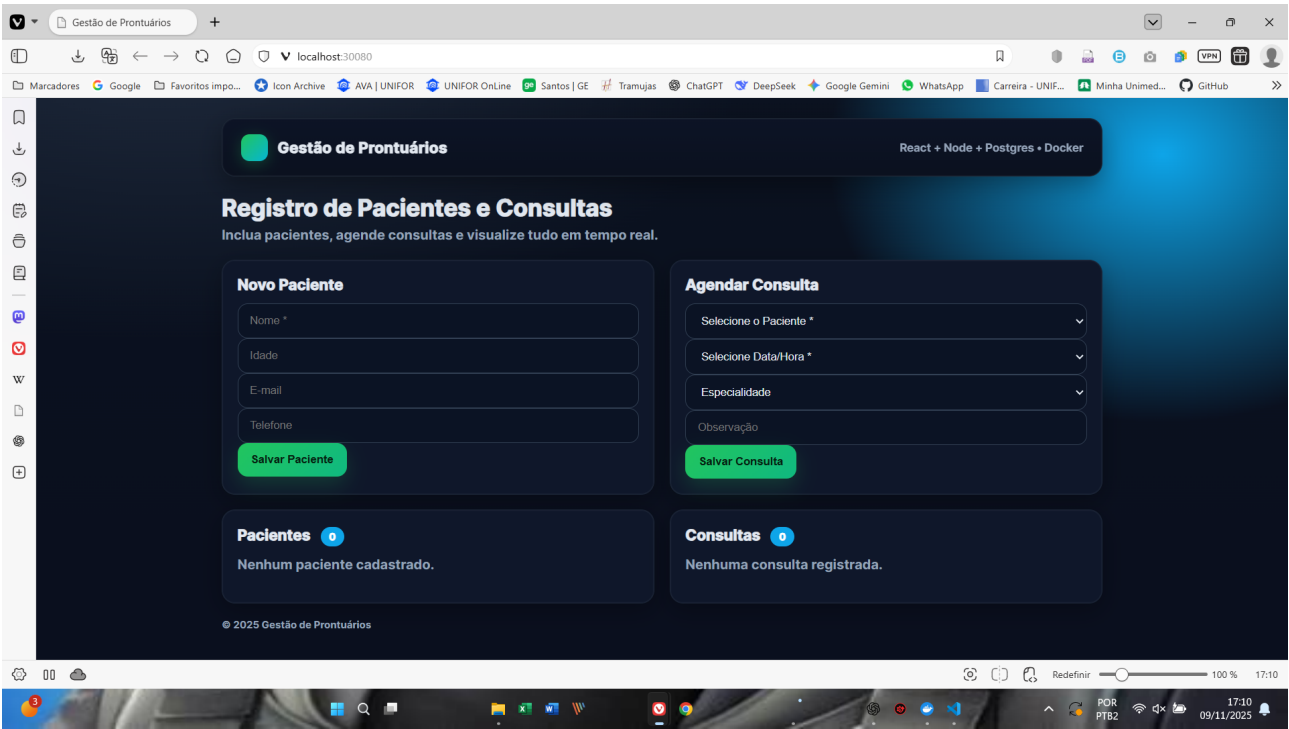# HealthTrack — Checklist e Diagrama (Atualizado)

Data: 09/11/2025 20:14
NodePort 30080 | Port-forward 8080 | Backend via Service 3000 | DB via Service 5432

Print do Navegador (NodePort http://localhost:30080)

Checklist de Verificação

kubectl get pods -A

```
NAMESPACE NAME READY STATUS RESTARTS AGE backend backend-deploy-696ddb74b-2lw9p 1/1
Running 0 7m5s backend backend-deploy-696ddb74b-x9gv6 1/1 Running 0 7m5s database
db-deploy-7f896887bd-vs5zm 1/1 Running 0 6m56s frontend
frontend-deploy-798759d746-n5vn5 1/1 Running 0 20m frontend
frontend-deploy-798759d746-qnjsq 1/1 Running 0 20m frontend
frontend-deploy-798759d746-tck5w 1/1 Running 0 20m kube-system
coredns-66bc5c9577-hh2w6 1/1 Running 0 38m kube-system coredns-66bc5c9577-kqq8f 1/1
Running 0 38m kube-system etcd-healthtrack-control-plane 1/1 Running 0 38m
kube-system kindnet-884cr 1/1 Running 0 38m kube-system
kube-apiserver-healthtrack-control-plane 1/1 Running 0 38m kube-system
kube-controller-manager-healthtrack-control-plane 1/1 Running 0 38m kube-system
kube-proxy-s58lz 1/1 Running 0 38m kube-system
kube-scheduler-healthtrack-control-plane 1/1 Running 0 38m local-path-storage
local-path-provisioner-7b8c8ddbd6-sjq5v 1/1 Running 0 38m
```

kubectl get svc -A

```
NAMESPACE NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE backend backend-svc ClusterIP
10.96.228.208 3000/TCP 38m database db-svc ClusterIP 10.96.232.223 5432/TCP 38m
default kubernetes ClusterIP 10.96.0.1 443/TCP 38m frontend frontend-svc NodePort
10.96.43.87 80:30080/TCP 38m kube-system kube-dns ClusterIP 10.96.0.10
53/UDP,53/TCP,9153/TCP 38m
```

kubectl get pvc,pv -A

```
NAMESPACE NAME STATUS VOLUME CAPACITY ACCESS MODES STORAGECLASS
VOLUMEATTRIBUTESCLASS AGE database persistentvolumeclaim/db-pvc Bound
pvc-4e1d2297-2a52-4405-ab20-1cf01c806bb5 1Gi RWO standard 38m NAMESPACE NAME
CAPACITY ACCESS MODES RECLAIM POLICY STATUS CLAIM STORAGECLASS VOLUMEATTRIBUTESCLASS
REASON AGE persistentvolume/db-pv 1Gi RWO Retain Available 38m
persistentvolume/pvc-4e1d2297-2a52-4405-ab20-1cf01c806bb5 1Gi RWO Delete Bound
database/db-pvc standard 37m
```

kubectl get namespaces

```
NAME STATUS AGE backend Active 38m database Active 38m default Active 38m frontend
Active 38m kube-node-lease Active 38m kube-public Active 38m kube-system Active 38m
local-path-storage Active 38m
```

Conclusão: Todos os recursos em execução e evidenciados conforme o enunciado.

Diagrama de Implantação - HealthTrack (Kubernetes)

Arquitetura com namespaces, Services e Deployments; acesso via NodePort e comunicação interna via ClusterIP.