PortFolio

Jenkins plugins

* Docker pipeline
* Cloudbees docker build push
* Kubernetes continuous deployment

K8s command

* minikube version # Check if Minikube is installed
* minikube start # Start Minikube
* kubectl get nodes # Check nodes
* kubectl get pods # Check pods in the default namespace
* kubectl get pods --all-namespaces # Check all pods
* kubectl get services # Check services in the default namespace
* kubectl get services --all-namespaces # Check all services

k8s Port forward

* kubectl port-forward service/portfolio-service 30050:80 --address 0.0.0.0 &

Github -> VM -> Linux -> Jenkins -> Docker -> Dockerhub -> Kubernetes ->

Minikube and Jenkins configuration

* sudo cp -r /home/ec2-user/.minikube /var/lib/jenkins/
* sudo chown -R jenkins:jenkins /var/lib/jenkins/.minikube

update kubeconfig file

default look  
 client-certificate: /home/ec2-user/.minikube/profiles/minikube/client.crt

client-key: /home/ec2-user/.minikube/profiles/minikube/client.key

should change in Jenkins path

client-certificate: /var/lib/jenkins/.minikube/profiles/minikube/client.crt

client-key: /var/lib/jenkins /.minikube/profiles/minikube/client.key

* sudo -u jenkins kubectl get nodes
* sudo systemctl restart Jenkins