Netflix Clone DevSecOps
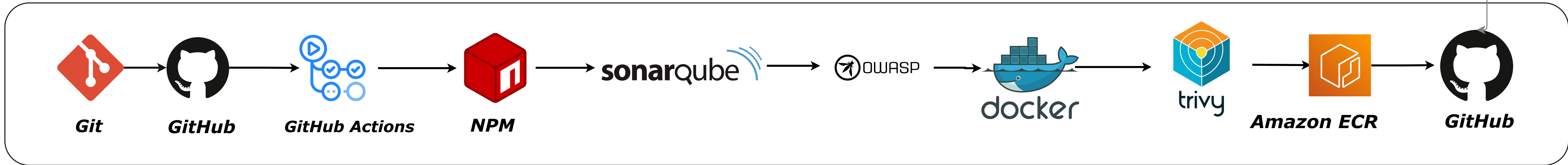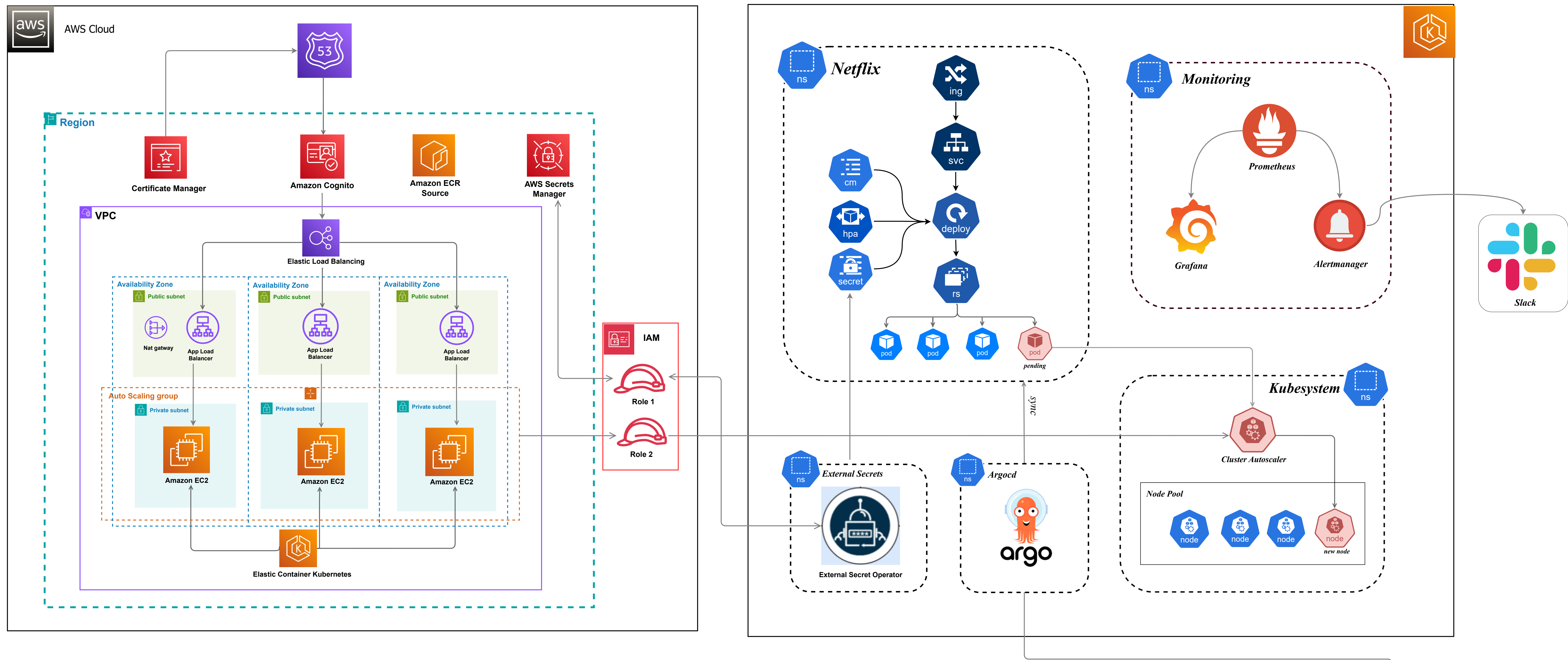
NTI Graduation project

AWS Cloud

Region

Certificate Manager

Amazon Cognito

Amazon ECR Source

AWS Secrets Manager

VPC

Elastic Load Balancing

Availability Zone — Public subnet

Availability Zone — Public subnet

Availability Zone — Public subnet

Nat gatway

App Load Balancer

App Load Balancer

App Load Balancer

Auto Scaling group

Private subnet

Private subnet

Private subnet

Amazon EC2

Amazon EC2

Amazon EC2

Elastic Container Kubernetes

IAM

Role 1

Role 2

Netflix

ns

ing

svc

cm

hpa

secret

deploy

rs

pod

pod

pod

pod — pending

Monitoring

ns

Prometheus

Grafana

Alertmanager

Slack

Kubesystem

ns

Cluster Autoscaler

Node Pool

node

node

node

node — new node

External Secrets

ns

External Secret Operator

Argocd

ns

argo

sync

CI Pipeline

Git → GitHub → GitHub Actions → NPM → sonarqube → OWASP → docker → trivy → Amazon ECR → GitHub