DevOps upskill final project

The project contains simple react application

A blue atom with a circle in the middle

Description automatically generated

The project contain CI/CD workflow

A diagram of a software development process

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The repository contains following files:

* CI.yaml – workflow file for github actions
* Application folders - /public and /src
* Application files - package-lock.json and package.json
* Dockerfile – needed to be created docker image
* .gitignore – ignore some items from Source control
* Trivy.yaml – neede for security scanner
* Terraform folder – terraform files for creating EKS cluster on AWS
* Documentation folder – contain docx file with info for the project

A logo for a company

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The Github actions workflow is are follow:

* Check repository
* Setup Node.js - needed for React application build
* Gitleaks\_test
* Trivy vulnerability scanner
* Build Docker image and push to repository
* build on feature branches, push only on main branch
* Trivy docker image scanner
* Update deployment.yaml with latest docker image tag

A blue hexagon with a white wheel and a red octopus

Description automatically generated

The deployment is organized with ArgoCD over Kubernetes Kluster