

pipeline {

agent any

environment {

DOCKER\_IMAGE = "dharanish45/devops"

DOCKER\_TAG = "latest"

DOCKER\_CREDENTIALS\_ID = "docker"

GITHUB\_CREDENTIALS\_ID = "github"

KUBECONFIG = "/var/lib/jenkins/.kube/config"

}

tools{

maven 'mvn'

}

stages {

stage('Checkout Code') {

steps {

git credentialsId: GITHUB\_CREDENTIALS\_ID, url: 'https://github.com/DHARANISH45/devops2.git', branch: 'main'

}

}

stage('Build Application') {

steps {

script {

sh '${MAVEN\_HOME}/bin/mvn clean package -DskipTests'

}

}

}

stage('Run Maven Tests') {

steps {

script {

try {

sh 'mvn test'

} catch (Exception e) {

echo "Tests failed, but proceeding..."

}

}

}

}

stage('Build Docker Image') {

steps {

script {

sh "docker build -t ${DOCKER\_IMAGE}:${DOCKER\_TAG} ."

}

}

}

stage('Push Docker Image') {

steps {

withDockerRegistry([credentialsId: DOCKER\_CREDENTIALS\_ID, url: '']) {

sh "docker push ${DOCKER\_IMAGE}:${DOCKER\_TAG}"

}

}

}

// stage('Deploy to Kubernetes') {

// steps {

// script {

// sh '''

// chmod +x scripts/deploy.sh

// ./scripts/deploy.sh

// '''

// }

// }

// }

}

post {

success {

echo "Deployment Successful!"

}

failure {

echo "Deployment Failed!"

}

}

}

