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pipeline {
    agent {
        docker {
            image 'abhishekf5/maven-abhishek-docker-agent:v1'

            args '--user root -v /var/run/docker.sock:/var/run/docker.sock' // mount Docker socket to access
            the host's Docker daemon
        }
    }
    stages {
        stage('Checkout') {
            steps {
                sh 'echo passed'

                //git branch: 'main', url: 'https://github.com/GopalKdevops/Jenkins-Zero-To-Hero.git'
            }
        }
        stage('Build and Test') {
            steps {
                sh 'ls -ltr'

                // build the project and create a JAR file
                sh 'cd java-maven-sonar-argocd-helm-k8s/spring-boot-app && mvn clean package'
            }
        }
        stage('Static Code Analysis') {
            environment {
                SONAR_URL = "http://18.204.231.235:9000"
            }
            steps {
                withCredentials([string(credentialsId: 'sonarqube', variable: 'SONAR_AUTH_TOKEN')]) {
                    sh 'cd java-maven-sonar-argocd-helm-k8s/spring-boot-app && mvn sonar:sonar -
                    Dsonar.login=${SONAR_AUTH_TOKEN} -Dsonar.host.url=${SONAR_URL}'
                }
            }
        }
    }
}

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}

stage('Build and Push Docker Image') {
    environment {
        DOCKER_IMAGE = "gopalcape/ultimate-cicd:${BUILD_NUMBER}"
        // DOCKERFILE_LOCATION = "java-maven-sonar-argocd-helm-k8s/spring-boot-app/Dockerfile"
        REGISTRY_CREDENTIALS = credentials('docker-cred')
    }
    steps {
        script {
            sh 'cd java-maven-sonar-argocd-helm-k8s/spring-boot-app && docker build -t
${DOCKER_IMAGE} .'

            def dockerImage = docker.image("${DOCKER_IMAGE}")

            docker.withRegistry('https://index.docker.io/v1/', "docker-cred") {
                dockerImage.push()
            }
        }
    }
}

stage('Update Deployment File') {
    environment {
        GIT_REPO_NAME = "Jenkins-Zero-To-Hero"
        GIT_USER_NAME = "GopalKdevops"
    }
    steps {
        withCredentials([string(credentialsId: 'github', variable: 'GITHUB_TOKEN')]) {
            sh '''
                git config user.email "gopalk1685@gmail.com"
                git config user.name "GopalKdevops"
                BUILD_NUMBER=${BUILD_NUMBER}
                sed -i "s/replacelImageTag/${BUILD_NUMBER}/g" java-maven-sonar-argocd-helm-
k8s/spring-boot-app-manifests/deployment.yml
                git add java-maven-sonar-argocd-helm-k8s/spring-boot-app-manifests/deployment.yml
            '''
        }
    }
}

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git commit -m "Update deployment image to version ${BUILD_NUMBER}"
git push
https://${GITHUB_TOKEN}@github.com/${GIT_USER_NAME}/${GIT_REPO_NAME} HEAD:main
'''
    }
}
}
}
}
```