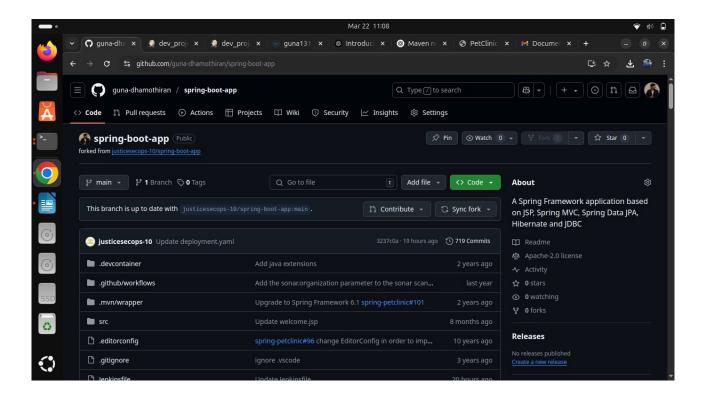
## **Spring Boot with Maven & Tomcat in Docker**

# https://github.com/guna-dhamothiran/spring-boot-app



# Plugins: Maven Integration plugin Pipeline Maven plugin

Tools: Use maven 3.9.8 and Maven Home as /opt/home

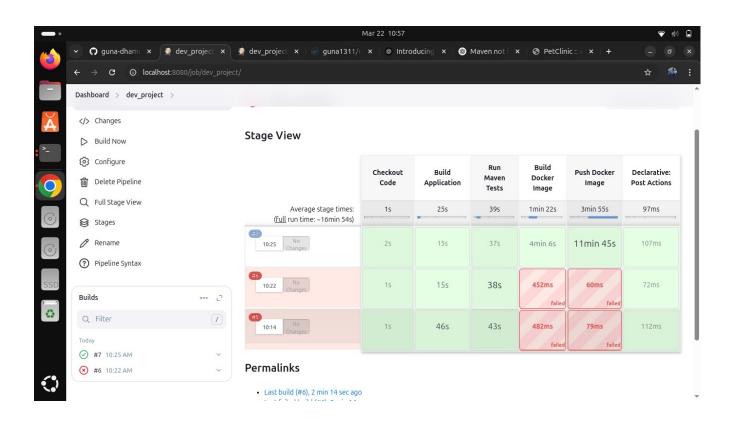
### **Configure - pipeline:**

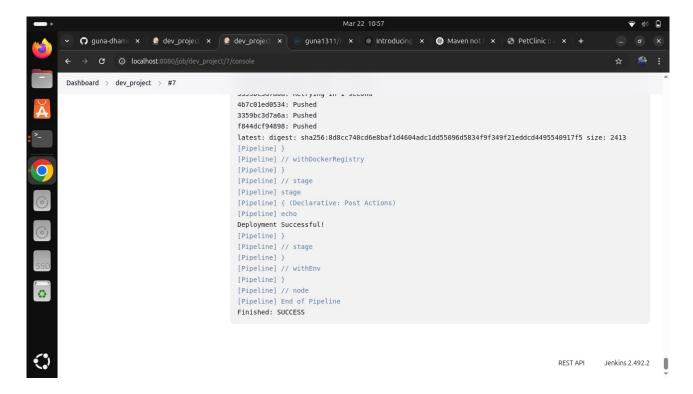
```
pipeline {
    agent any

environment {
    DOCKER_IMAGE = "guna1311/mvn"
    DOCKER_TAG = "latest"
    DOCKER_CREDENTIALS_ID = "docker"
    GITHUB_CREDENTIALS_ID = "github-seccred"
    KUBECONFIG = "/var/lib/jenkins/.kube/config"
}
```

```
stages {
    stage('Checkout Code') {
      steps {
        git credentialsId: GITHUB_CREDENTIALS_ID, url:
'https://github.com/guna-dhamothiran/spring-boot-app.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!"
     }
  }
}
```

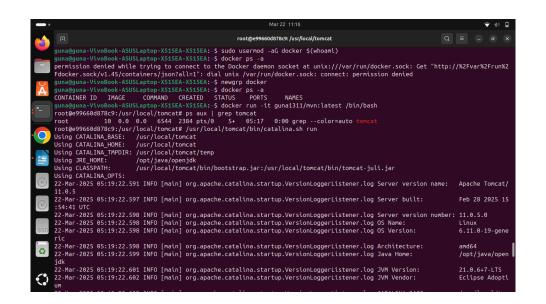


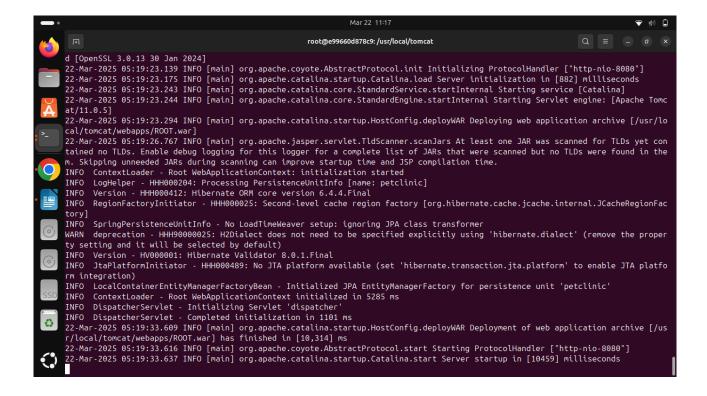


#### After build:

docker ps -a docker run -it guna1311/mvn:latest /bin/bash

root@f5c4f8921dbf:/usr/local/tomcat# ps aux | grep tomcat root@f5c4f8921dbf:/usr/local/tomcat# /usr/local/tomcat/bin/catalina.sh run





#### In new terminal: docker run -d -p 9123:8080 guna1311/mvn:latest

