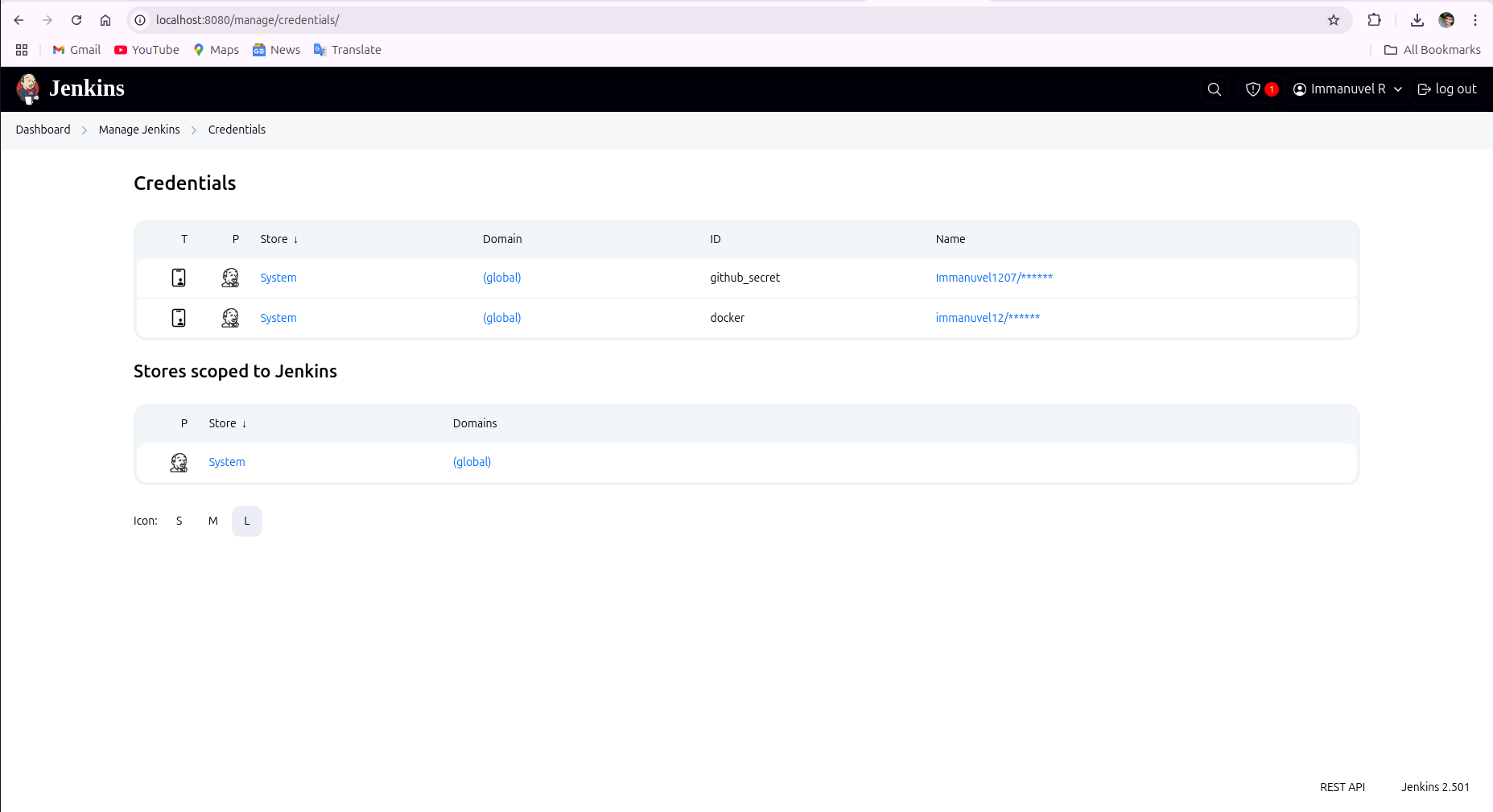
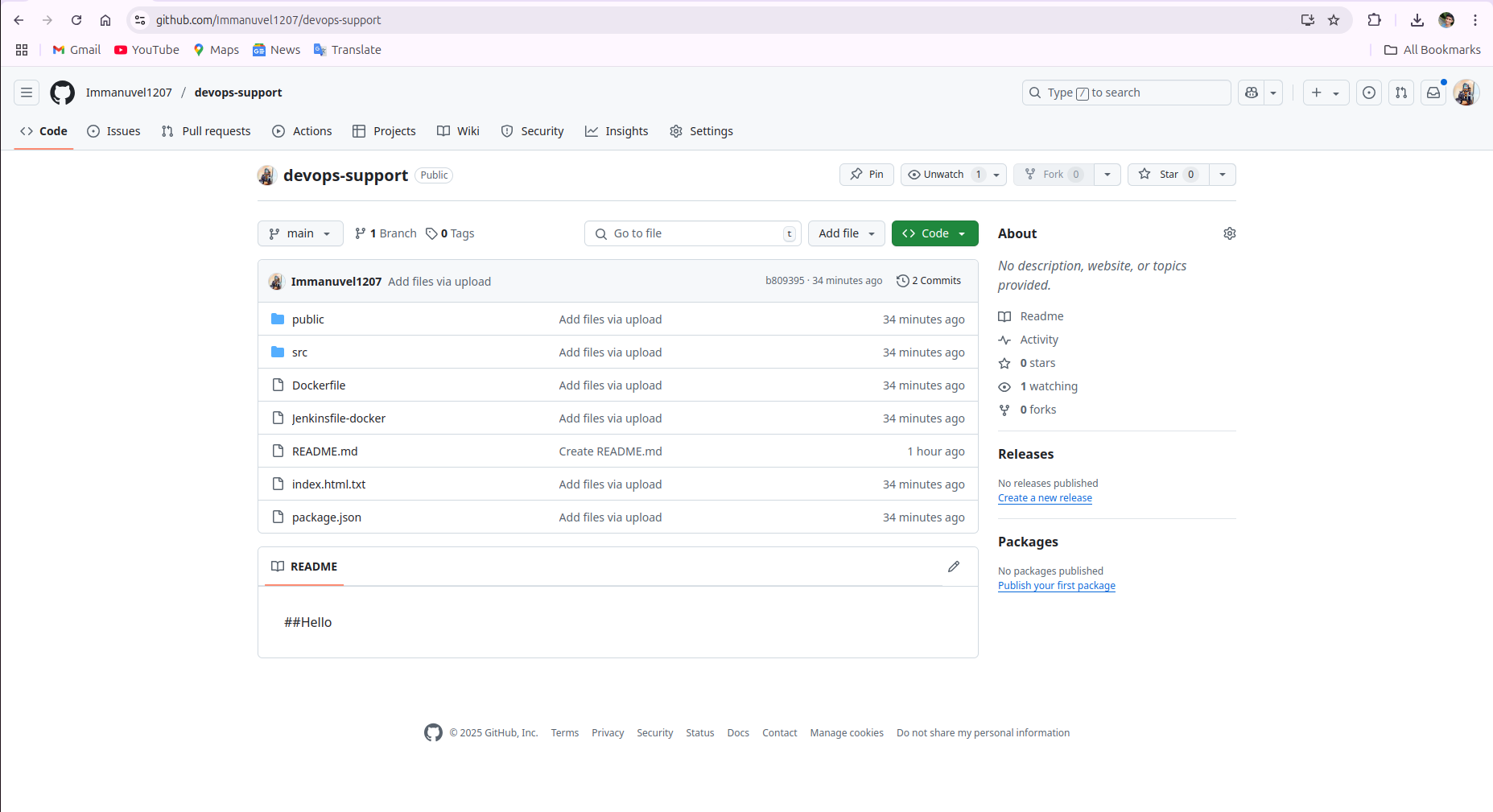
Create credentials for the github & Docker



Push all the files to github:



In plugins install:

Docker (ignore build)

Pipeline

Node

Eclipse

In tools install

Jdk & node

In Jenkins click on new item -> pipeline -> and in the below script section put this script:

(modify according to your links and names)

pipeline {

agent any

tools {

jdk 'jdk17'

nodejs 'node20'

}

stages {

stage('Clean Workspace') {

steps {

script {

echo "Cleaning workspace..."

deleteDir() // Deletes everything in the Jenkins workspace before starting

}

}

}

stage('Git Checkout') {

steps {

script {

git branch: 'main',

credentialsId: 'github\_secret',

url: 'https://github.com/Immanuvel1207/devops-support.git'

}

}

}

stage('Install Node') {

steps {

script {

sh '''

if [ -f package.json ]; then

echo "package.json found. Running npm install..."

npm install

else

echo "ERROR: package.json is missing. Skipping npm install."

exit 1

fi

'''

}

}

}

stage('Docker Build & Push') {

steps {

script {

withDockerRegistry(credentialsId: 'docker', toolName: 'docker') {

def imageName = "immanuvel12/devops"

def tag = "latest"

sh "docker build -t ${imageName} ."

sh "docker tag ${imageName} ${imageName}:${tag}"

sh "docker push ${imageName}:${tag}"

}

}

}

}

stage('Deploy Docker Container') {

steps {

script {

// Stop and remove the existing container if it's running

sh "docker stop jusjes\_container || true"

sh "docker rm jusjes\_container || true"

// Run the new container

sh "docker run -d --name jusjes\_container -p 3001:3000 immanuvel12/devops:latest"

}

}

}

}

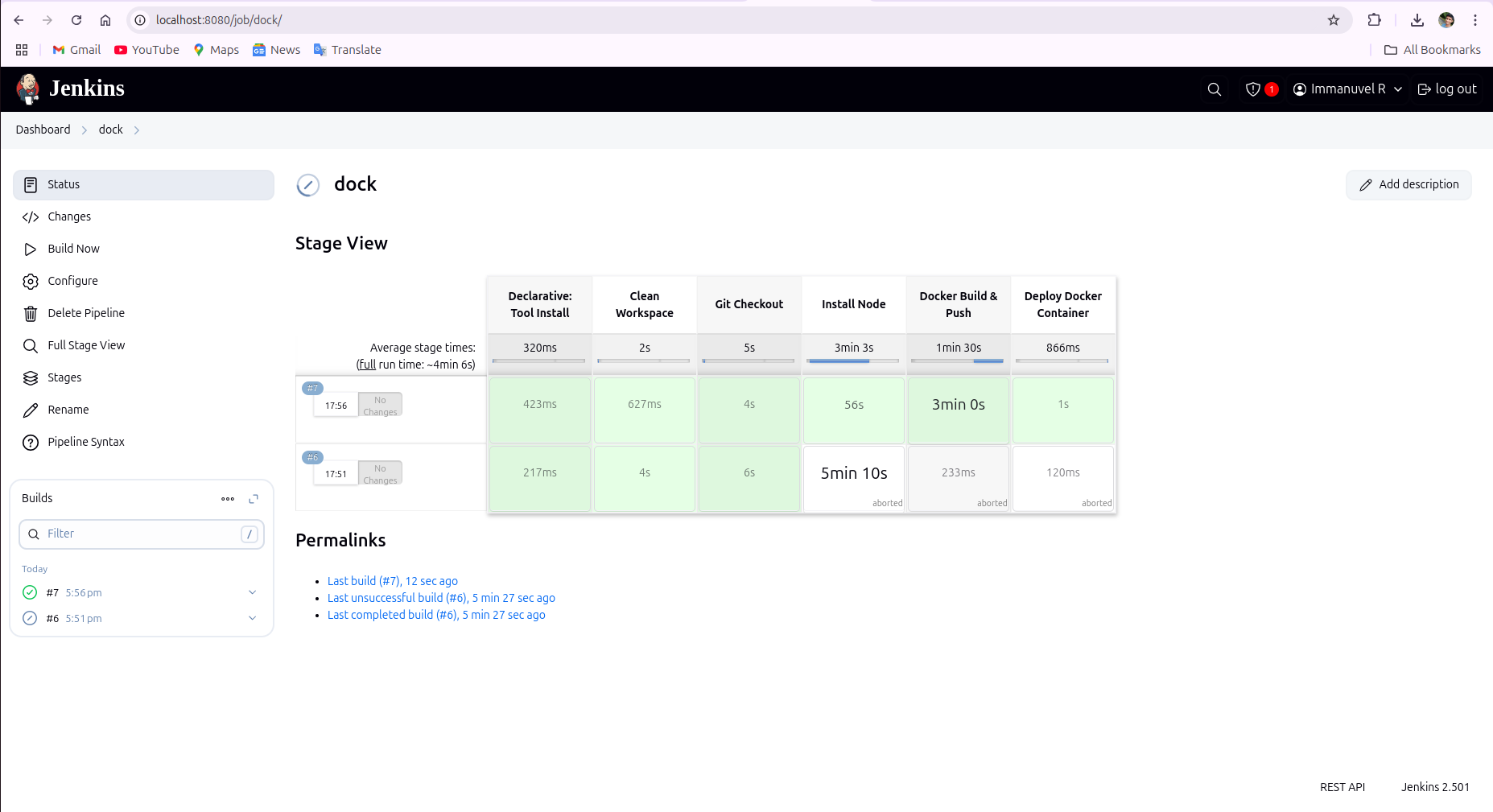
}

try to build now..  
You’ll have to get 3 | 4 passed , then go to terminal   
and enter these commands  
  
sudo usermod -aG docker jenkins

sudo chmod 666 /var/run/docker.sock

sudo systemctl restart jenkins

sudo systemctl status Jenkins  
  
Then try building again..  
This time , you can see it being finished.



Head on to localhost:3001  
you’ll find this website .. This is what sir gave us as a zip file, if you want , you can change it to any other website too..

