

## DAY 6

### CODE

```
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_seccred',
        url: 'https://github.com/ashwithhasivasubramanian/devops\_task5.git'
      }
    }
  }

  stage('Install Node') {
    steps {
      script {
        sh '''
        if [ -f package.json ]; then
          echo "package.json found. Running npm install..."
          npm install
        fi
      '''
    }
  }
}
```

```

        else
            echo "ERROR: package.json is missing. Skipping npm install."
            exit 1
        fi
    ""
}
}
}

stage('Docker Build & Push') {
    steps {
        script {
            withDockerRegistry(credentialsId: 'docker', url: 'https://index.docker.io/v1/') {
                def imageName = "22itr010/devops"
                def tag = "latest1"

                sh "docker build -t ${imageName} ."
                sh "docker tag ${imageName} ${imageName}:${tag}"
                sh "docker push ${imageName}:${tag}"
            }
        }
    }
}

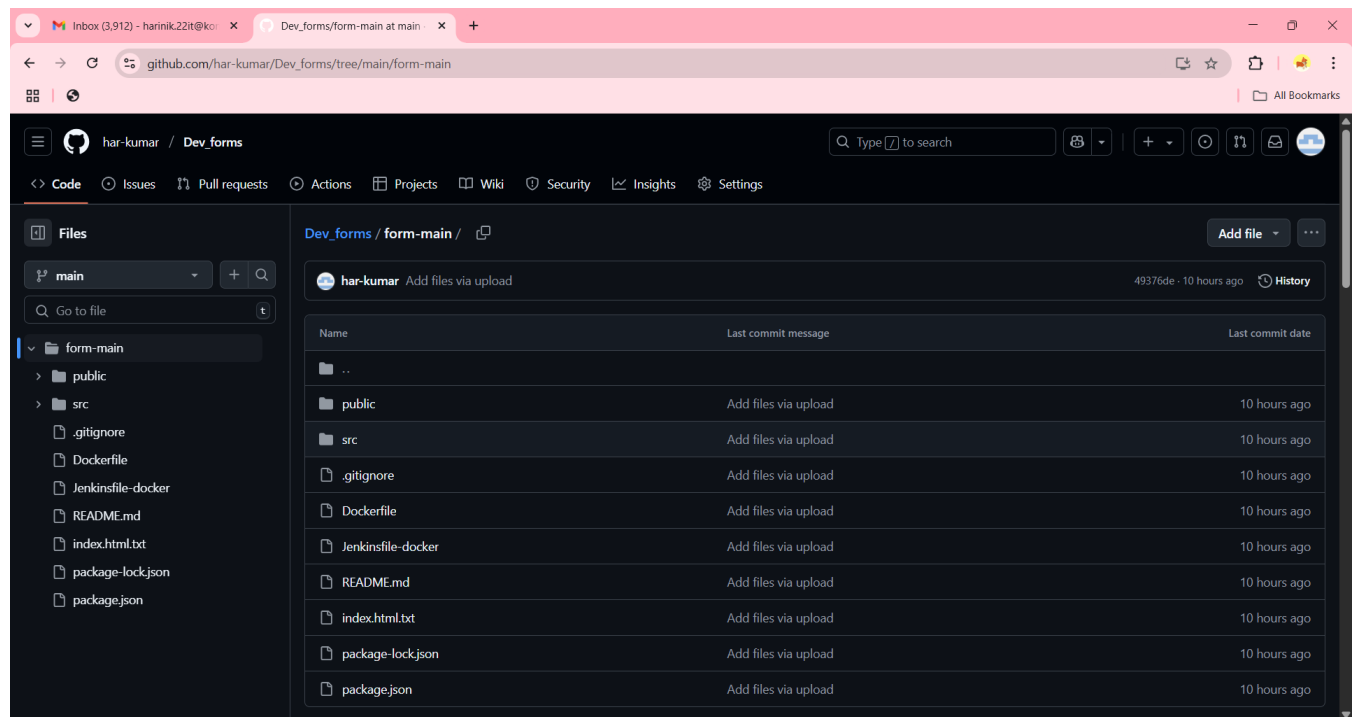
stage('Deploy Docker Container') {
    steps {
        script {
            // Stop and remove the existing container if it's running
            sh "docker stop hotstar_container || true"
            sh "docker rm hotstar_container || true"

            // Run the new container
            sh "docker run -d --name hotstar_container -p 3002:3000 22itr010/devops:latest1"
        }
    }
}
}
}
}

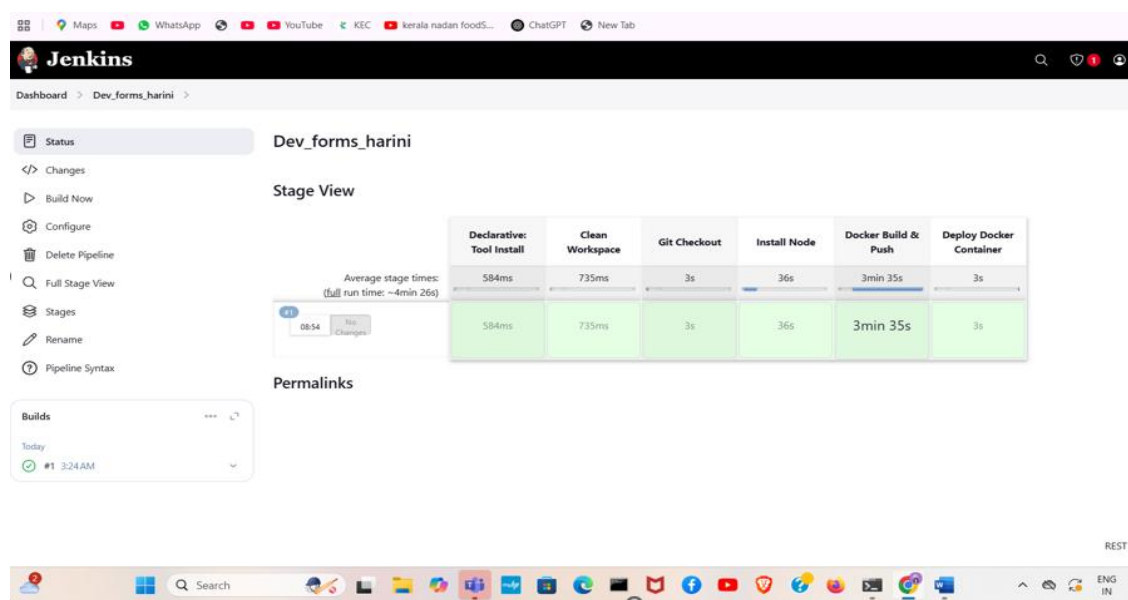
```

## GITHUB PAGE

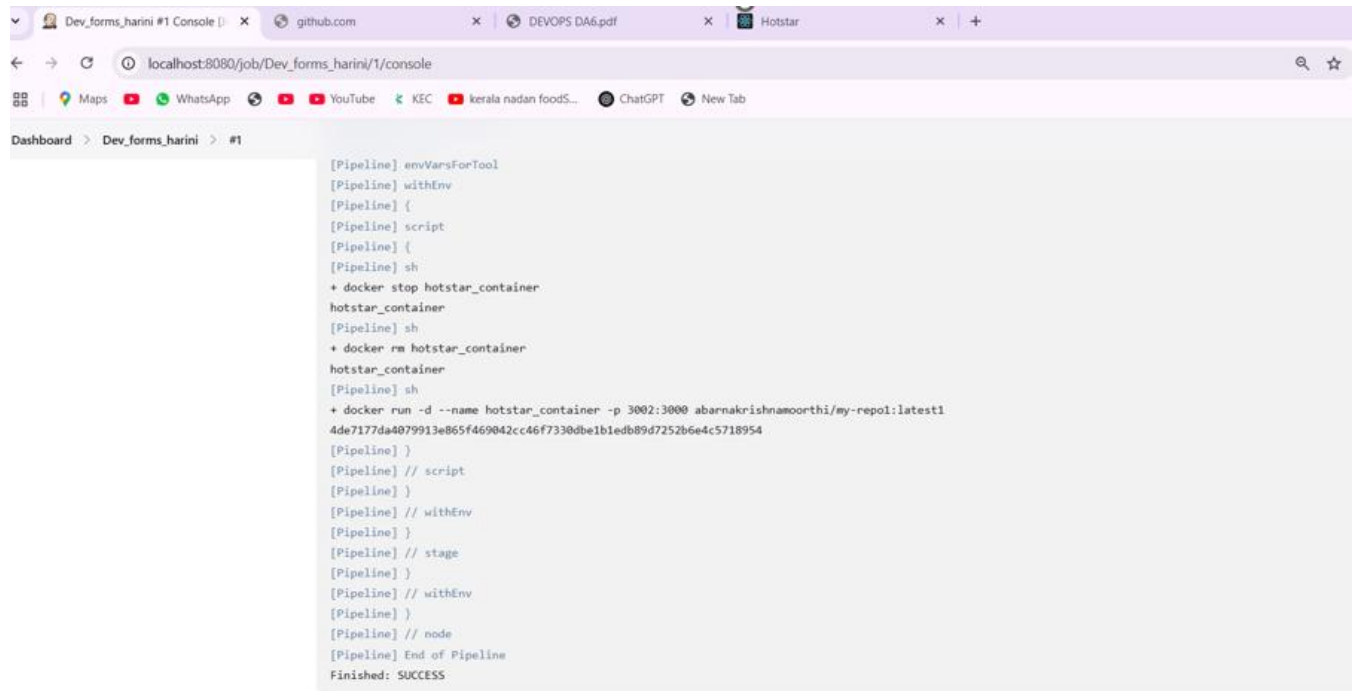
[https://github.com/har-kumar/Dev\\_forms.git](https://github.com/har-kumar/Dev_forms.git)



## JENKINS OUTPUT



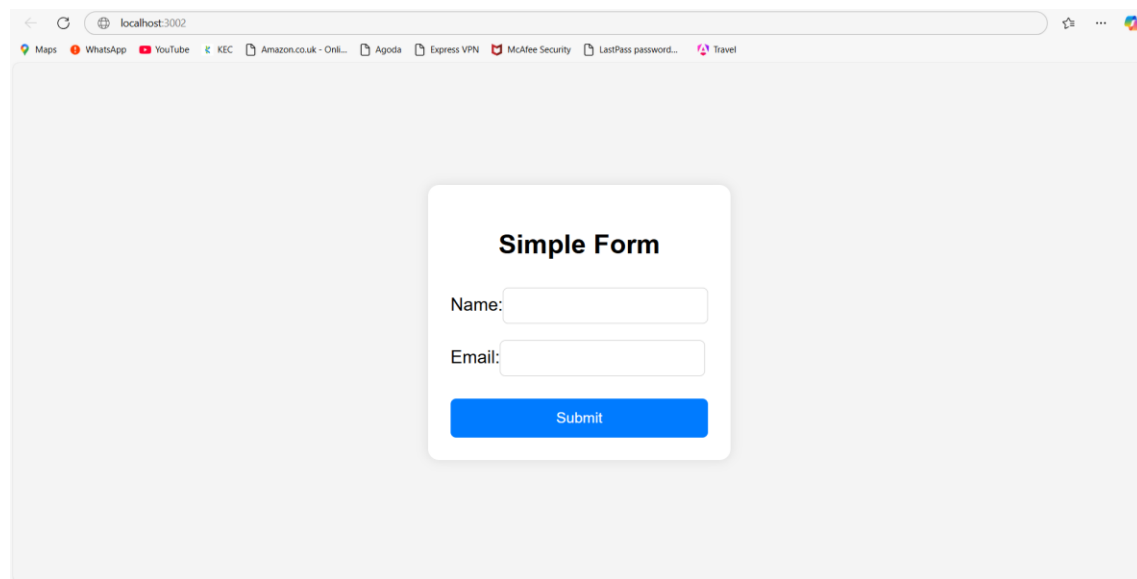
## CONSOLE OUTPUT:



```
[Pipeline] envVarsForTool
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] sh
+ docker stop hotstar_container
hotstar_container
[Pipeline] sh
+ docker rm hotstar_container
hotstar_container
[Pipeline] sh
+ docker run -d --name hotstar_container -p 3002:3000 abarnakrishnamoorthi/my-repol:latest1
4de7177da4079913e865f469042cc46f7330dbe1bedb89d7252b6e4c5718954
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API

## LOCALHOST OUTPUT:



Simple Form

Name:

Email: