```
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/dharaniramakrishnan/devops_docker.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 = "dharani400/sample"
           def tag = "latest"
           sh "docker build -t ${imageName} ."
           sh "docker tag ${imageName}:${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 3001:3000 dharani400/sample:latest"
                          }
              }
} }
                                                                                           X | 100 Introducing ChatGPT | Open | X | 100 Docker Push Issues | X | 100 Docker credentials issue | X | 100 Docker Credentials | X 
         Dashboard > mypipeline >
                                                                                                                                                                             Stage View
              ▶ Build Now
              Delete Pipeline
                                                                                                                                                                                                                                                                                                          Tool Install
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Push
              Q Full Stage View
                                                                                                                                                                                                         Average stage times:
(<u>full</u> run time: ~28min 21s)
              Stages
                                                                                                                                                                                                                                                                                                                                                                                                                                                               11min 55s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15min 43s
              Pipeline Syntax
                                                                                                                                                                                  11:07 No Changes
             Builds
              Q Filter
                                                                                                                                                                                     10:14 No
Changes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9min 6s
              ⊘ #9 08:06
                                                                                                                                                                               Permalinks
              × #8 05:37
```

}

