```
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 {
          echo "Checking out the latest code from GitHub..."
          git branch: 'main',
            credentialsId: 'github_seccred',
            url: 'https://github.com/Mithra07-Sriram/devops_training.git'
        }
      }
    }

    stage('Install Node') {
      steps {
```

```groovy
        script {
            echo "Checking for package.json and installing dependencies..."
            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 {
            echo "Building and pushing Docker image..."
            withDockerRegistry(credentialsId: 'docker', toolName: 'docker') {
                def imageName = "mithras72/docker"
                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 {
            echo "Stopping and removing any existing containers..."
            sh "docker stop devops_container || true"
            sh "docker rm devops_container || true"

            echo "Deploying new Docker container..."
            sh """
            docker run -d --name devops_container -p 3001:3000 \
            mithras72/docker:latest
            """
        }
    }
}
    }
}
}
```

Tools - | item1 - | Quick T | Welcon | (no sub | mithra | Introd | Jenkin | +

localhost:8080/job/item1/

Dashboard > item1 >

Configure
Delete Pipeline
Full Stage View
Stages
Rename
Pipeline Syntax

Builds ⚙ ⤢

🔍 Filter /

Today

✅ #5 20:40 ⌄
❌ #4 20:31 ⌄
❌ #3 17:30 ⌄
❌ #2 17:00 ⌄
❌ #1 16:31 ⌄

Average stage times:
(full run time: ~14min 2s)

	Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
	20s	3s	4s	1min 44s	2min 34s	1s
#5 20:40 No Changes	732ms	11s	4s	3min 28s	9min 58s	6s
#4 20:31 No Changes						
#3 17:30 1 commit	728ms	921ms	3s	3min 27s	17s failed	129ms failed
#2 17:00 No Changes	743ms	1s	6s	1s failed	136ms failed	122ms failed
#1 16:31 No Changes	1min 19s	1s	3s failed	216ms failed	100ms failed	219ms failed

Permalinks

- Last build (#5), 4 min 20 sec ago
- Last failed build (#4), 12 min ago
- Last unsuccessful build (#4), 12 min ago
- Last completed build (#4), 12 min ago

Too | iten | Qui | Wel | (no | mith | Intr | Jen | Hot | Hot | +

localhost:3001

Disney+ hotstar

Subscribe to Watch | +

Latest releases

BATMAN NINJA VS.YAKUZA LEAGUE | 4 המספר בית 16.3.2025 | HIGH GROUND | GLADIATORS AGAIN the ARENA | COUNTERSTRIKE | THE RED ENVELOPE

Free-Newly Added

| 4 המספר בית 16.3.2025 | DER GERADERTE MENSCH | | | DEAD WEIGHT |