GitHub webhook triggering

**Step-by-Step: Enable GitHub Webhook Trigger for Jenkins Pipeline**

**1. Ensure Jenkins Has GitHub Integration**

Install or verify these plugins:

* **GitHub plugin**
* **GitHub Integration Plugin**
* **Git plugin**

Go to: Manage Jenkins → Plugins → Installed / Available

**2. Update Pipeline Config in Jenkins Job**

* Go to: your pipeline job → Configure
* Check these boxes:
  + GitHub project
    - URL: https://github.com/sreyaspatil5/Kubernetes-three-tier-deployment
  + Build Triggers → GitHub hook trigger for GITScm polling

This tells Jenkins to watch for webhook pings.

**3. Configure GitHub Webhook**

Inside your GitHub repo:

1. Go to **Settings → Webhooks**
2. Click **"Add webhook"**
3. Fill in:

| **Field** | **Value** |
| --- | --- |
| Payload URL | http://<your-jenkins-server>:8080/github-webhook/ |
| Content Type | application/json |
| Which events | Just the push event |
| Active | (checked) |

1. Click **Add Webhook**

This sends a POST request to Jenkins whenever code is pushed.

**4. Verify Connection**

* Push a small change to the repo
* In Jenkins → Job → Build History, check if a build was triggered
* In GitHub → Webhooks → "Recent Deliveries", check for a 200 OK

**Optional: Polling Fallback**

If webhooks fail (e.g., firewall issues), enable:

triggers {

pollSCM('\* \* \* \* \*') // Poll every minute (can adjust interval)

}

This goes inside your pipeline’s options or in declarative syntax within your Jenkinsfile.