1. **If Homebrew is not installed**

/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"

**2. Install Git**

Git is a version control system required for GitLab.

1. In Terminal, type the following command and press Enter

**brew install git**

1. Verify the installation by typing:

**git –version**

**3. Install GitLab Runner**

GitLab Runner is used to run your jobs and send the results back to GitLab.

1. Install GitLab Runner using Homebrew:

**brew install gitlab-runner**

1. Start the GitLab Runner service:

**brew services start gitlab-runner**

**5. Set Up SSH Keys**

SSH keys allow you to establish a secure connection between your local machine and GitLab.

1. Generate a new SSH key pair:

**ssh-keygen -t rsa -b 4096 -C "your\_email@example.com"**

Follow the prompts to save the key to the default location (~/.ssh/id\_rsa) and set a passphrase.

1. Start the SSH agent in the background:

**eval "$(ssh-agent -s)"**

1. Add your SSH private key to the S agent:

**ssh-add -K ~/.ssh/id\_rsa**

1. Copy the SSH key to your clipboard:

**pbcopy < ~/.ssh/id\_rsa.pub**

**6. Add SSH Key to GitLab**

1. Log in to your GitLab account.
2. Navigate to **User Settings** > **SSH Keys**.
3. Paste the SSH key from your clipboard into the "Key" field.
4. Add a title and click **Add key**.

**7. Clone a GitLab Repository**

1. Open Terminal.
2. Use the git clone command with your repository URL:

git clone git@gitlab.com:username/repository.git