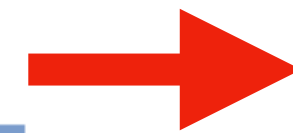
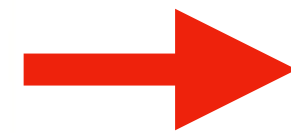
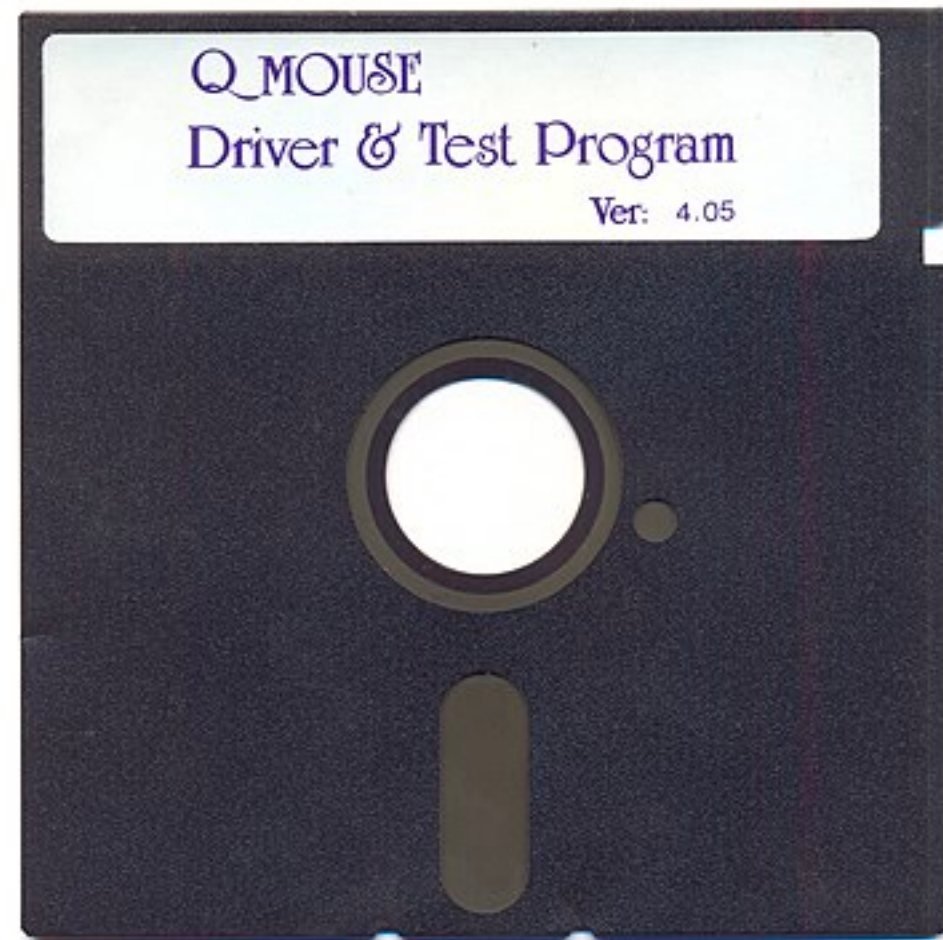


Git

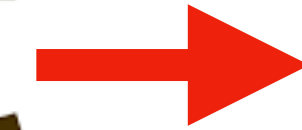
Roman Fedytskyi JSP React competency lead

What was before?

It was a nightmare

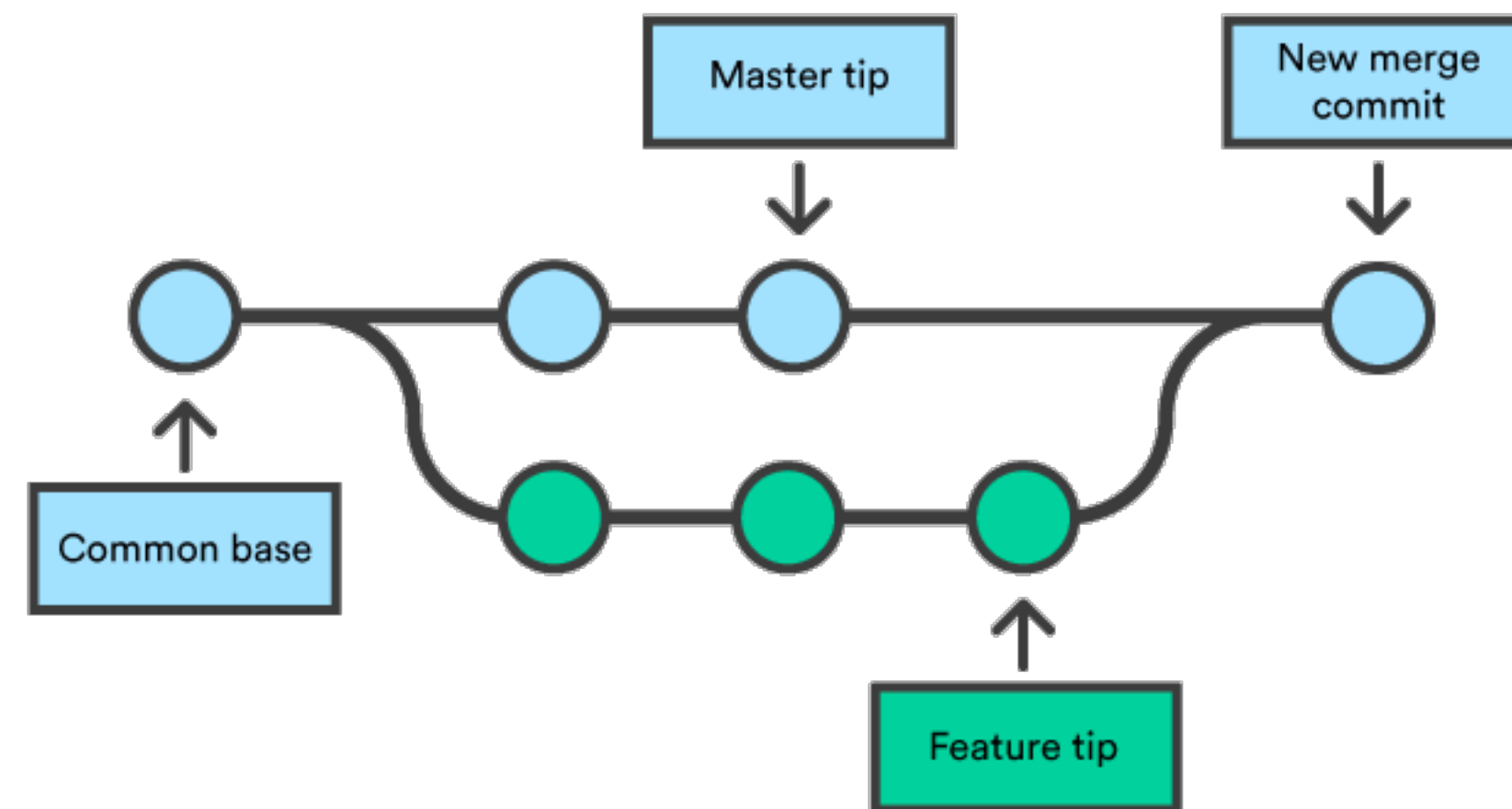


git



What is Git?

Git is a **free and open source** distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

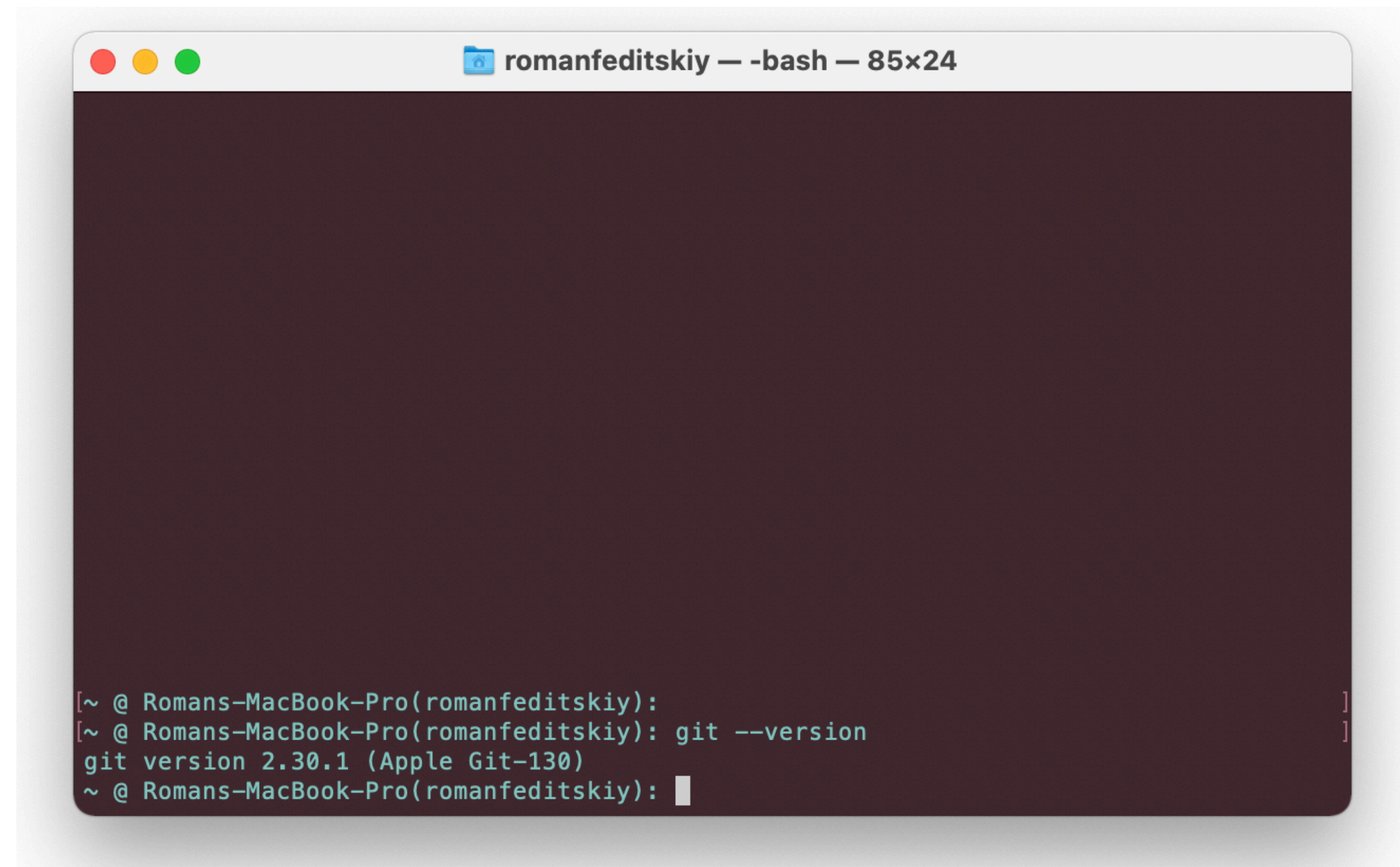


Download

WINDOWS

MAC OS

LINUX

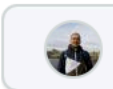


Create project in GitHub

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Owner *

 RomanFedytskyi ▾

Repository name *

Git Basic ✓

Great repository names are short and unique. Your new repository will be created as **Git-Basic**. But **curly-robot**?

Description (optional)

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ Add a README file

This is where you can write a long description for your project. [Learn more](#).

☐ Add .gitignore

Choose which files not to track from a list of templates. [Learn more](#).

☐ Choose a license

A license tells others what they can and can't do with your code. [Learn more](#).

Create repository

```
Git — -bash — 90x50

[~ @ Romans-MacBook-Pro(romanfeditkiy): ls
Applications/                               Untitled.ipynb
Creative Cloud Files/                       WarThunderLauncherLogs/
Creative Cloud Files (archived) (1)/         awscli-bundle/
Desktop/                                    awscli-bundle.zip
Documents/                                  cache/
Downloads/                                  get-pip.py
Library/                                    iCloud Drive (Archive)/
Movies/                                     iCloud Drive (Archive) - 1/
Music/                                       javasharedresources/
My Games/                                   jsp-key
Parallels/                                  jsp-key.pub
Pictures/                                    nano.save
Postman/                                    node_modules/
Public/                                     package-lock.json
SecuritySpy/                                roman@seed2lead.nl Creative Cloud Files/

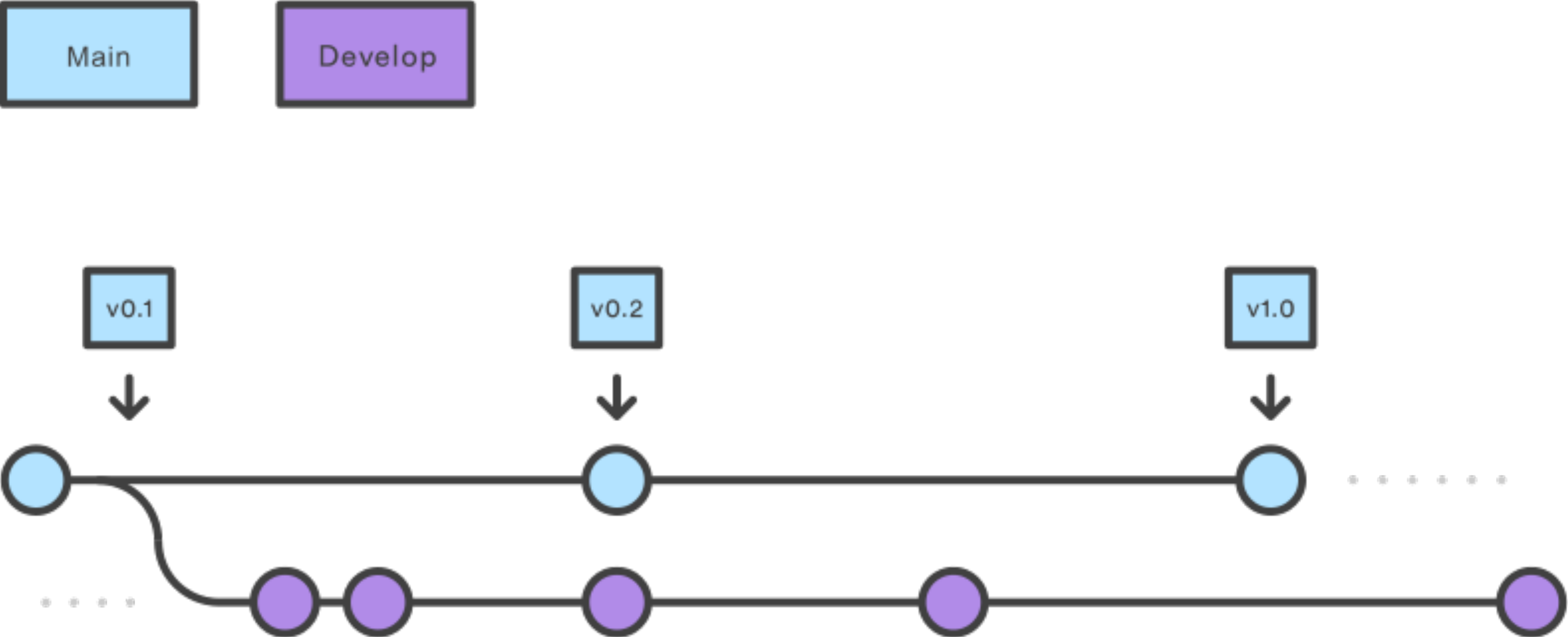
[~ @ Romans-MacBook-Pro(romanfeditkiy): cd Desktop/
total 1156
-rw-r--r--@ 1 romanfeditkiy  staff    14K Nov  2 12:03 .DS_Store
-rw-r--r--@ 1 romanfeditkiy  staff   192K Nov  1 15:50 11 Fedytskyi.pdf
-rw-r--r--@ 1 romanfeditkiy  staff   194K Nov  1 15:50 12 Fedytskyi.pdf
-rw-r--r--@ 1 romanfeditkiy  staff   195K Nov  1 15:50 4_21 Fedytskyi.pdf
-rw-r--r--@ 1 romanfeditkiy  staff   195K Nov  1 15:50 8 Fedytskyy.pdf
-rw-r--r--@ 1 romanfeditkiy  staff   193K Nov  1 15:50 AKT nadanykh posluh.pdf
drwxr-xr-x  2 romanfeditkiy  staff    64B Nov  2 12:06 Git/
-rw-r--r--@ 1 romanfeditkiy  staff   159K Nov  1 21:43 Документ без назви.pdf

[~/Desktop @ Romans-MacBook-Pro(romanfeditkiy): cd Git/
[~/Desktop/Git @ Romans-MacBook-Pro(romanfeditkiy): git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/romanfeditkiy/Desktop/Git/.git/
~/Desktop/Git @ Romans-MacBook-Pro(romanfeditkiy):
```

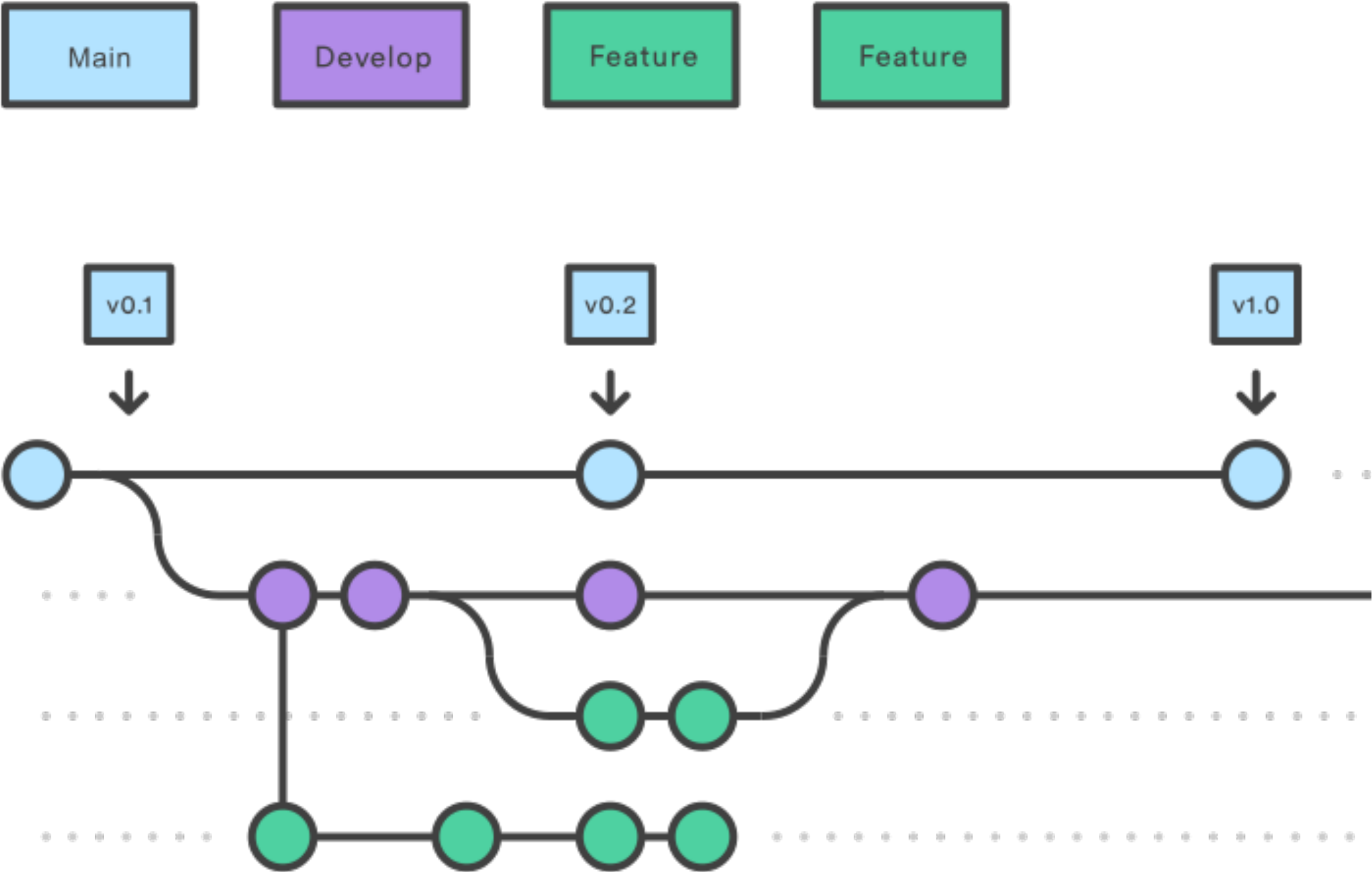
Basic commands

- **git init**
- **git status**
- **git add**
 - git add index.html
 - git add .
- **git commit**
 - git commit -m 'commit message'
- **git branch**
 - git branch
 - git branch branch-name
 - git branch -D branch-name
- **git checkout**
 - git checkout branch-name
 - git checkout -b branch-name
- **git merge**
 - git merge branch-name
- **git config**
 - git config --global user.name
 - git config --global user.name 'new user'
 - git config --global user.email
- **git push**
- **git pull**
- **git clone**

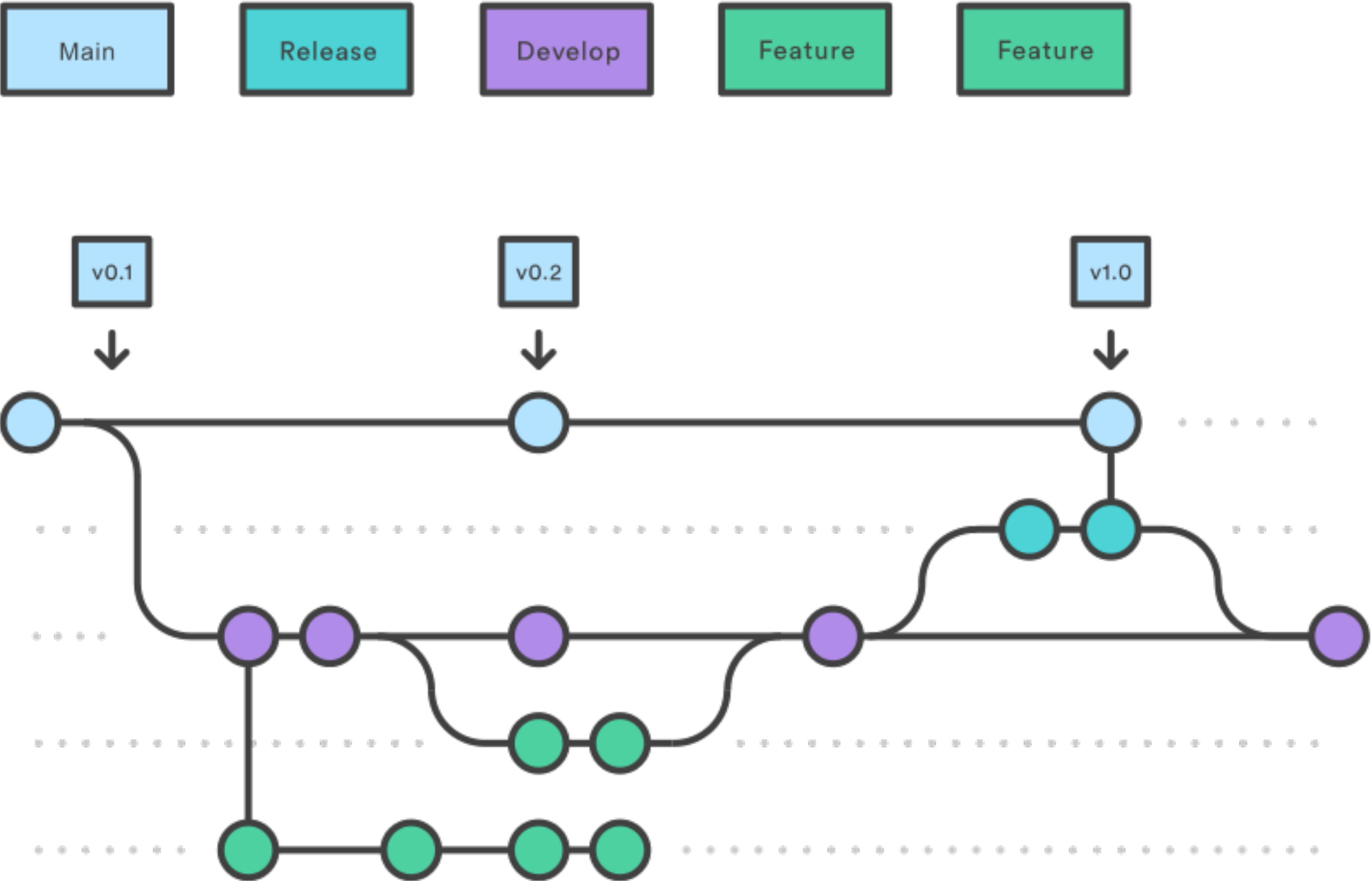
Git Flow (Main flow)



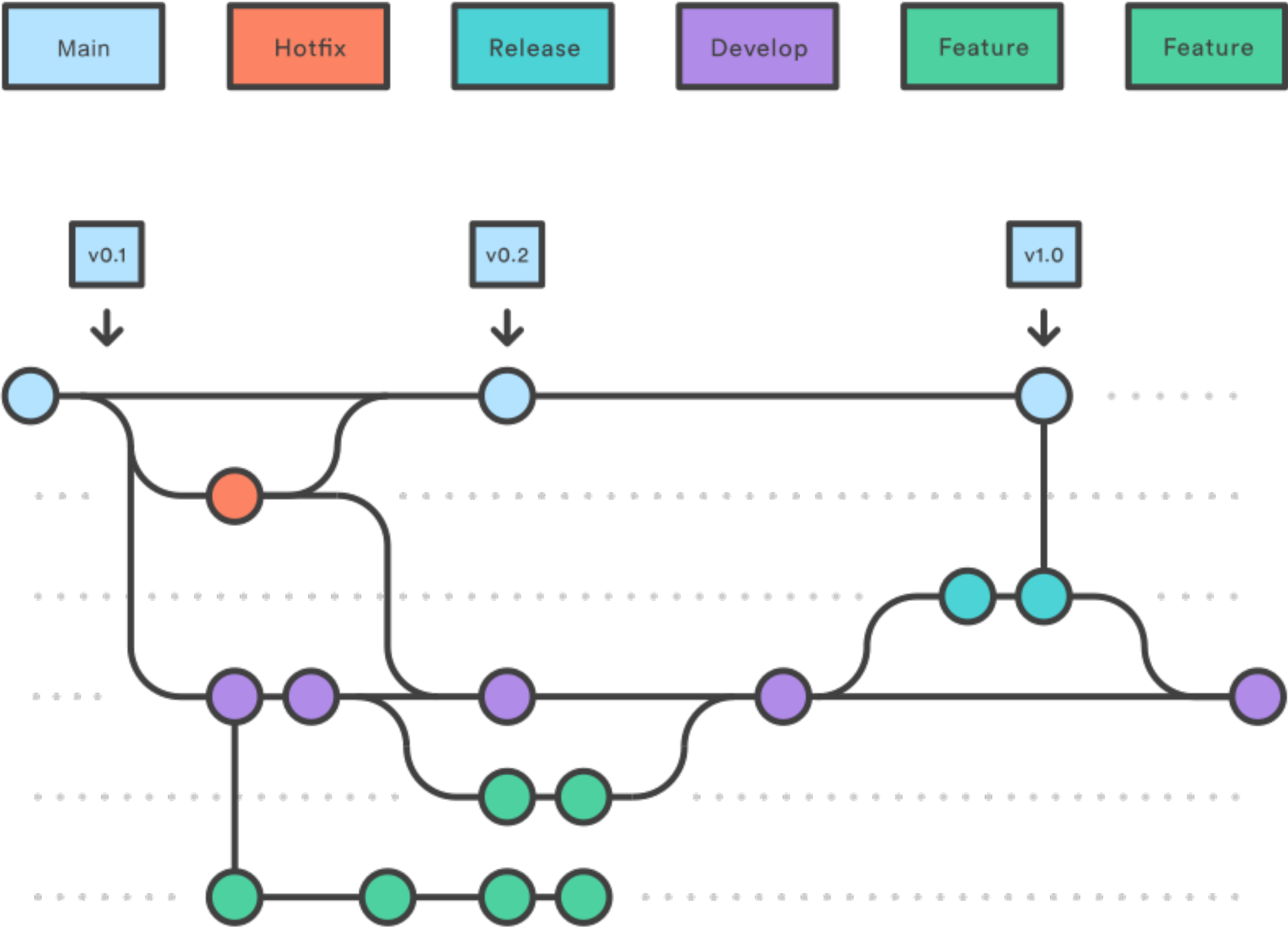
Git Flow (Feature)



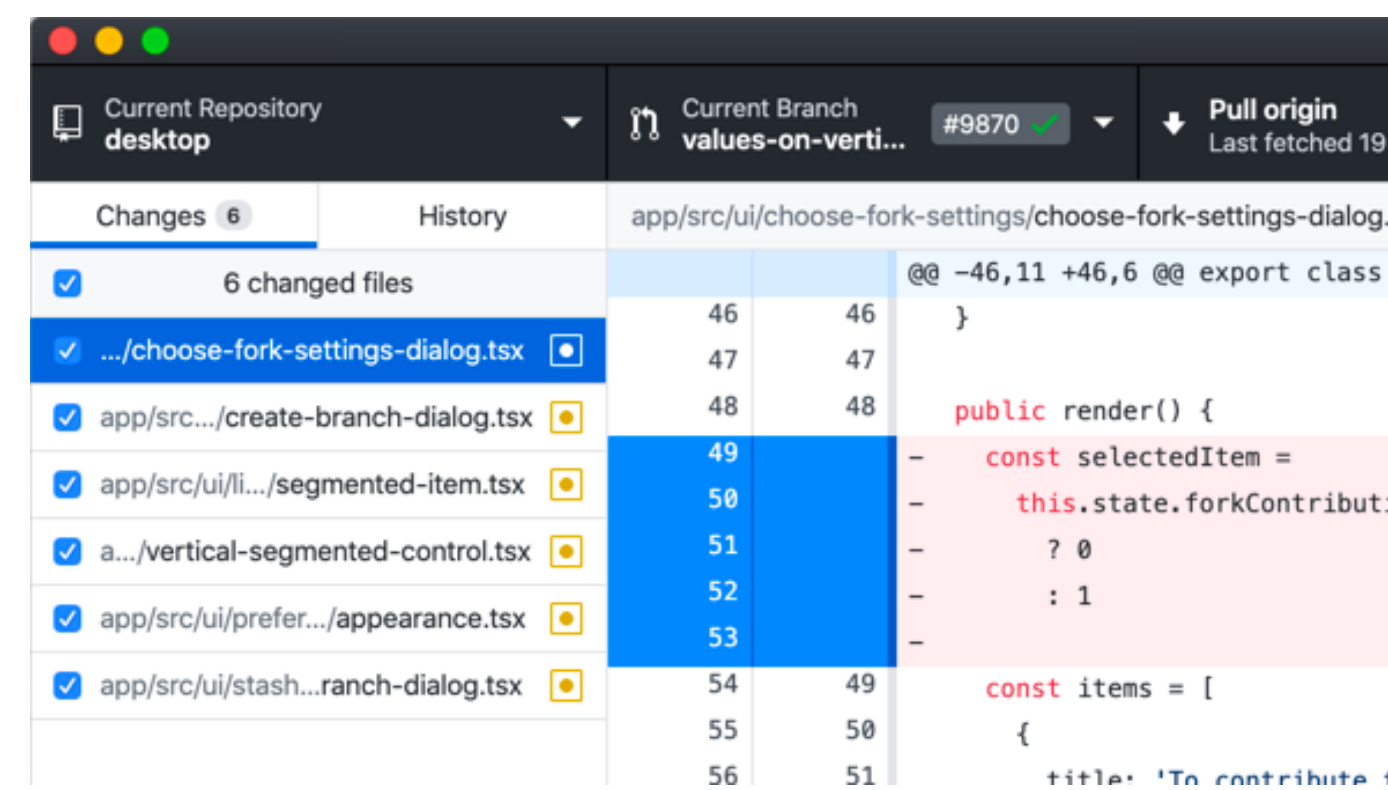
Git Flow (Release)



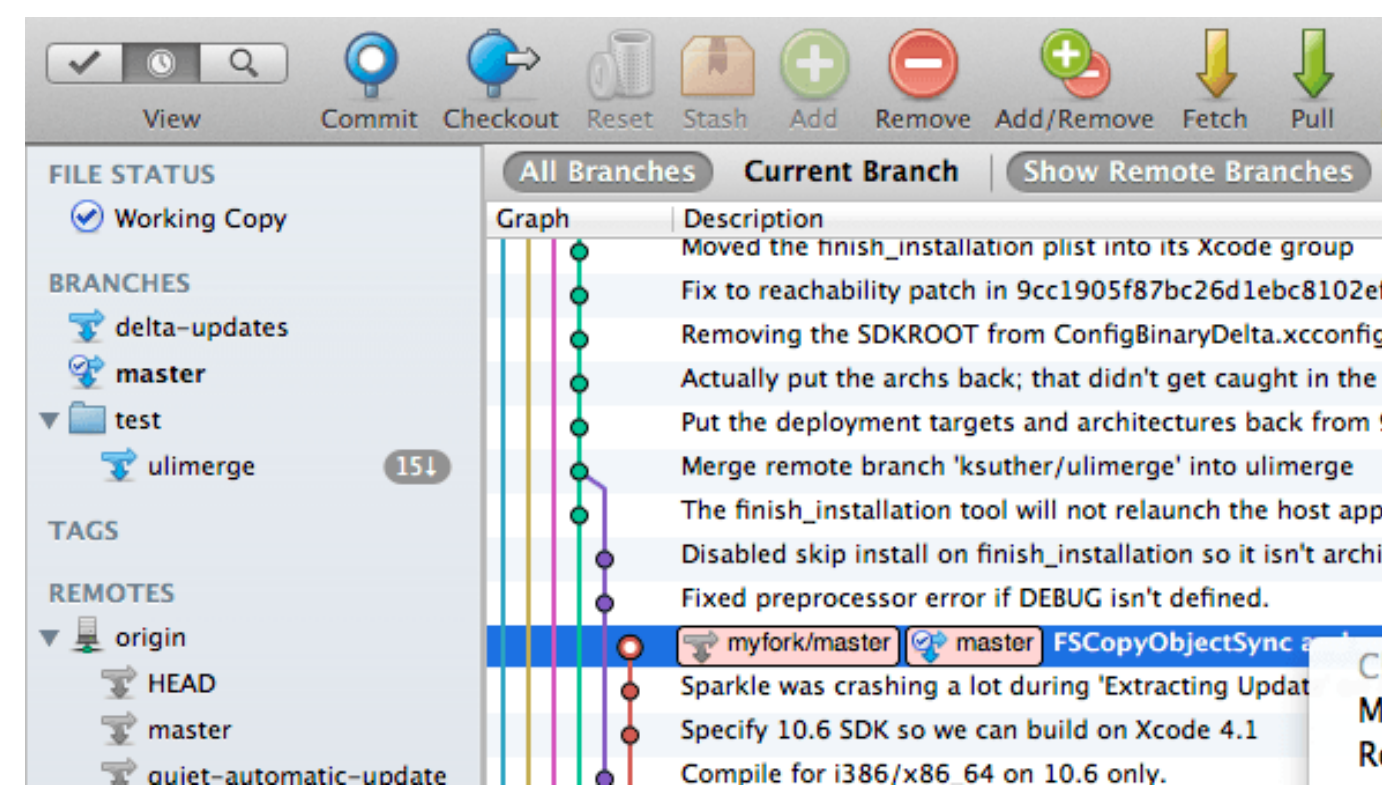
Git Flow (Hotfix)



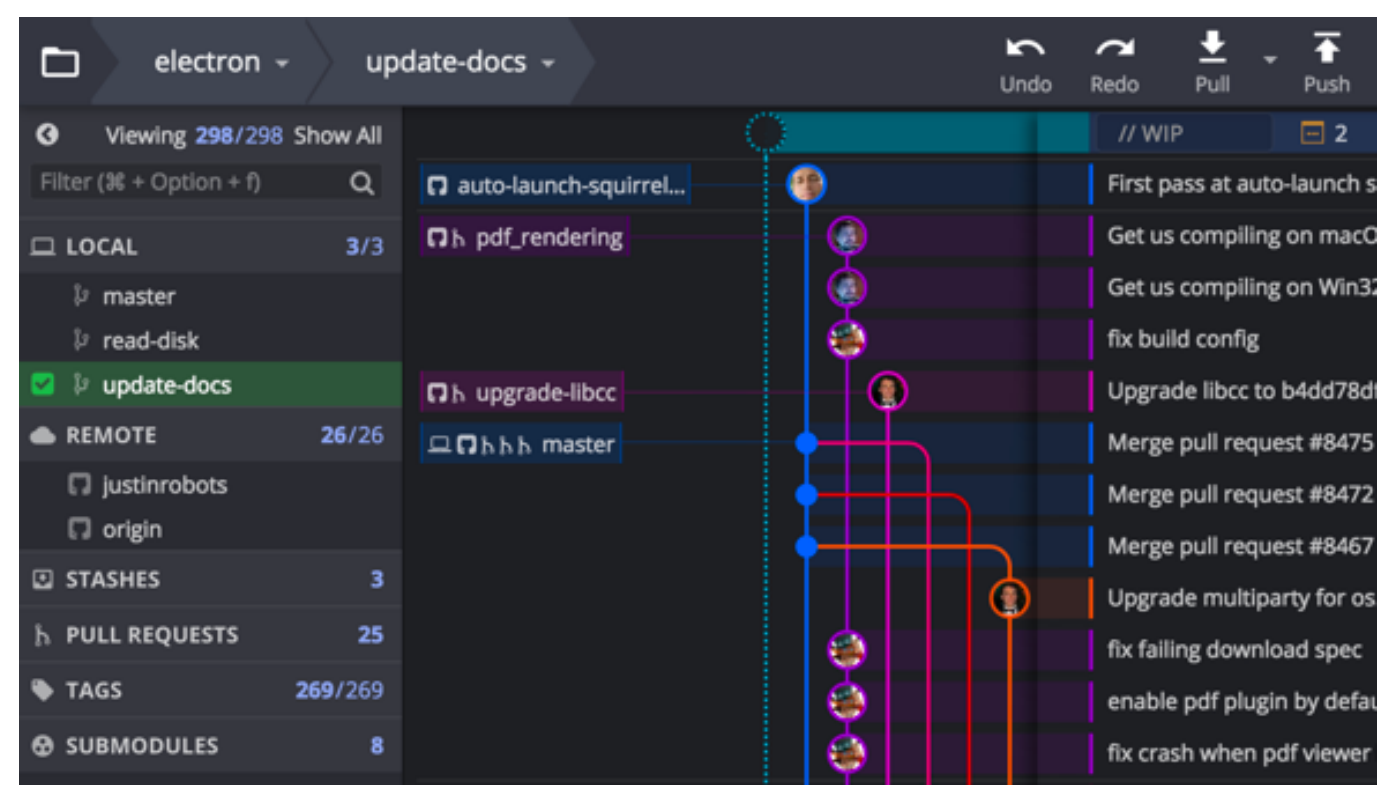
Git visual client



GitHub Desktop



SourceTree



GitKraken