

g init



Hi James,

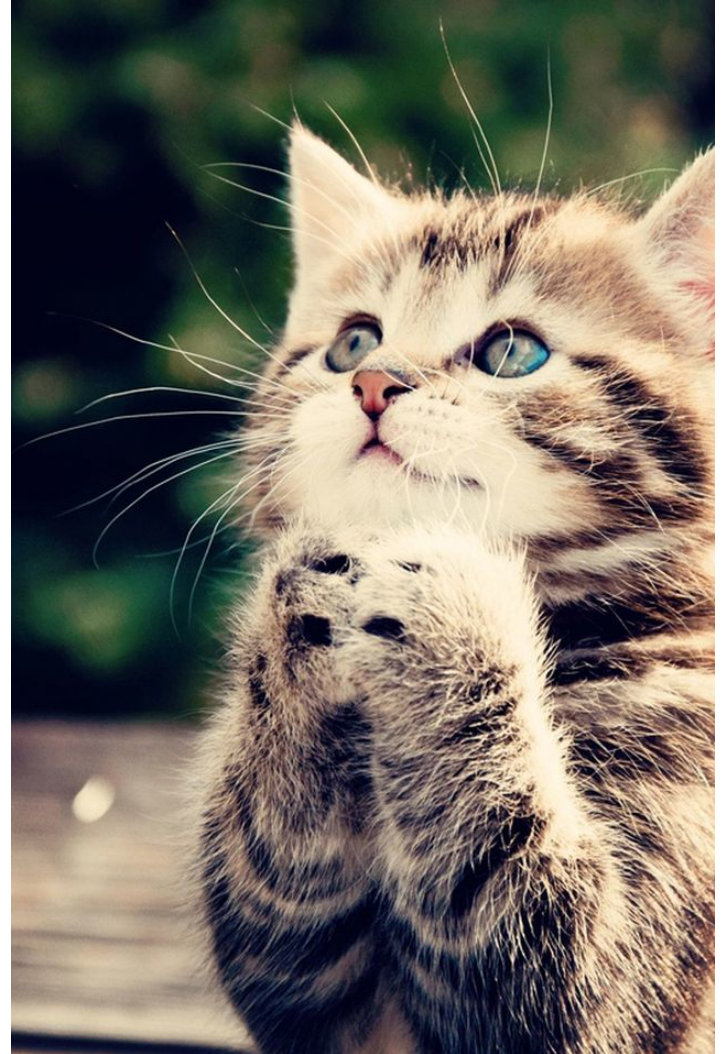
We're looking to build a new kind of job site. We want it to be easy to use, fast, and reliable, so we have decided to build it using git instead of php.

I've seen from your website that you regularly work with git, can you please give me some examples of some git applications you have worked with before, as well as your availability in September.

Regards,

Apologies

- Unix
- Term
- Satw
- Brew install git
- 1.9.0



Content

- Basic tips and tricks
- Branching
- Submodules
- Merging
- Workflow
- We have a talk

Basics

- “vi ~/.gitconfig”
- “ln -s `which git` /usr/bin/g” (git = g)
- “g config --global alias.lg "log --graph --pretty=format:'%Cred%h%Creset - %C(yellow)%d%Creset %s %Cgreen(%cr) %C(bold blue)<%an>%Creset' --abbrev-commit --date=relative”” (g lg -p)
- “g config --global alias.today “log --since=midnight --author=' '\$(git config user.name)' -oneline”” (g today)

Gems

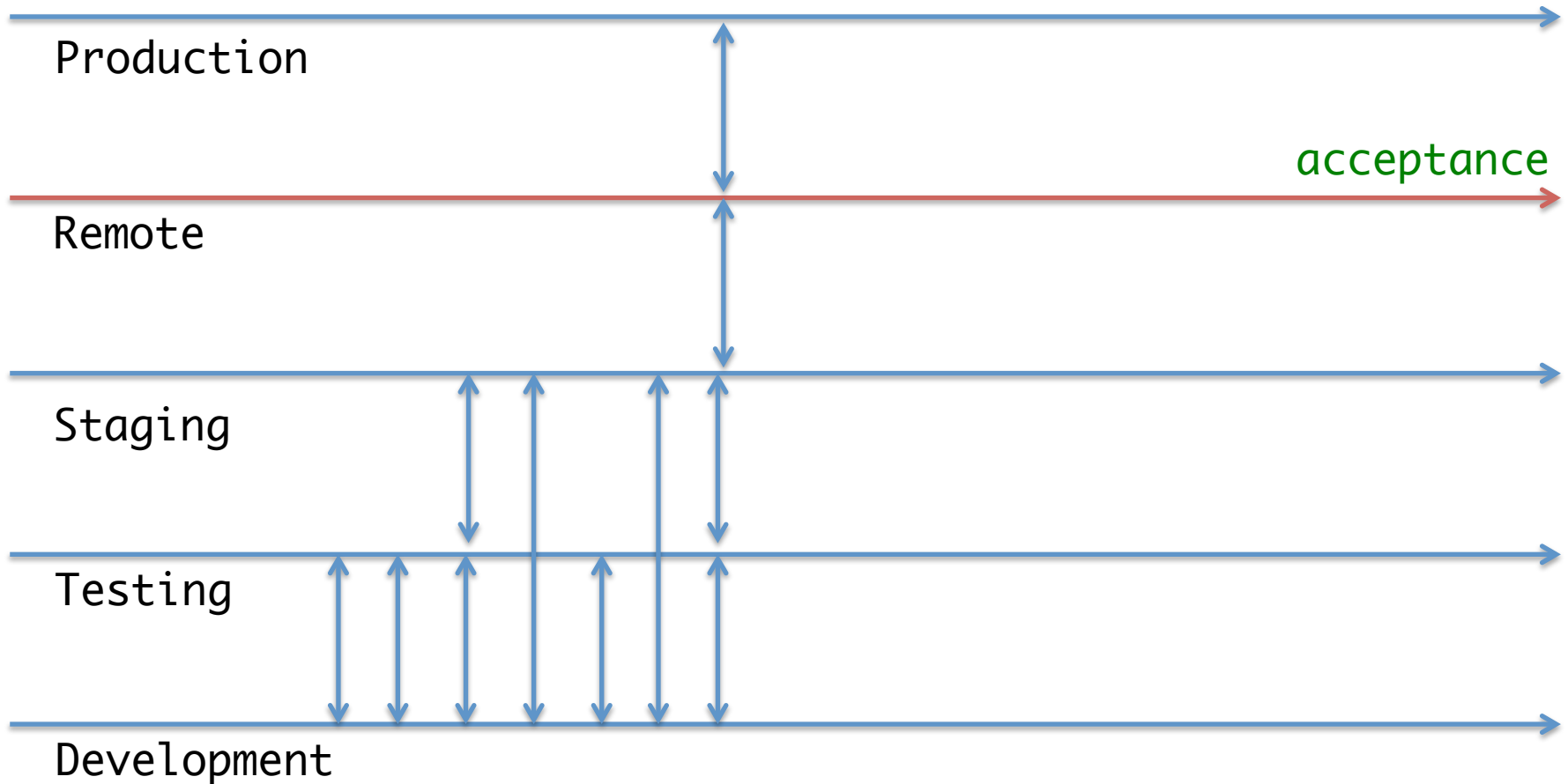
- `Days billable = git log --author=`git config user.email` | grep "^Date" | awk '{print $2 " " $3 " " $4}' | uniq`
- `“git config --global alias.do '!git add . && git commit -a’” (g do)`
- `git diff --word-diff`
- `g log --oneline --decorate`
- `g notes add`
- `g diff --name-only --diff-filter=U`



Hey ~~Girl,~~ git

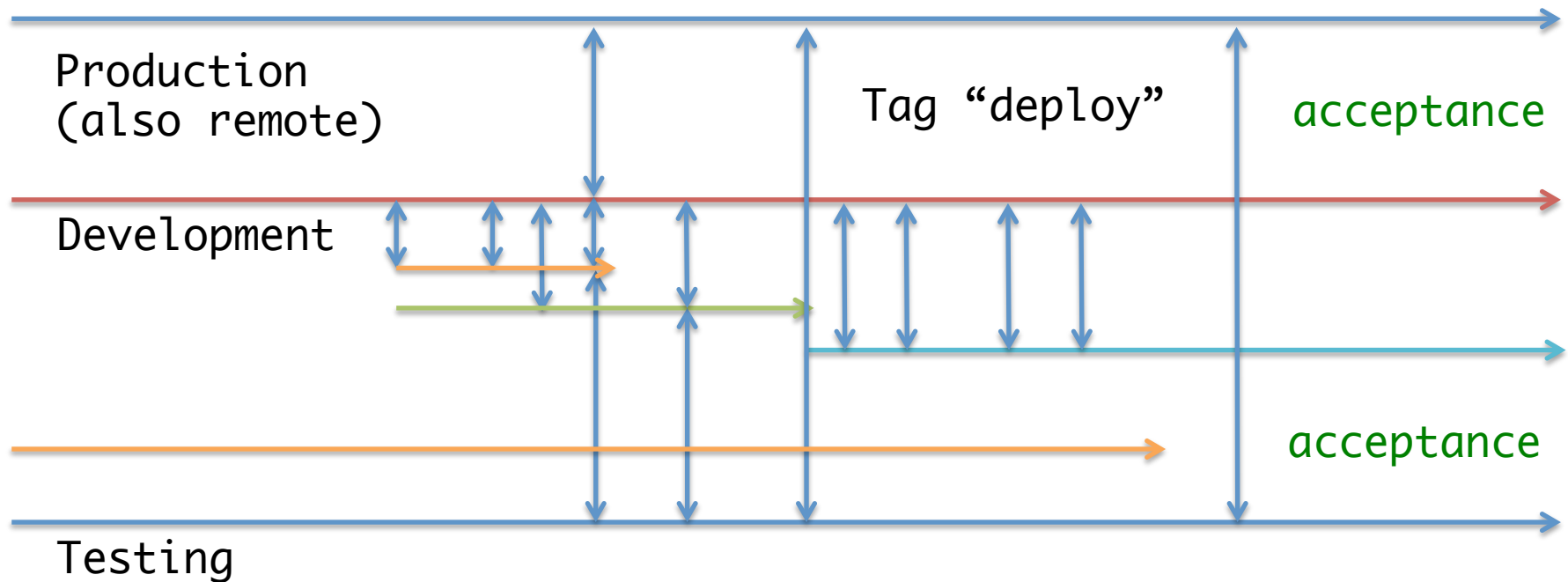
```
class MyHeart < ActiveRecord::Base  
  belongs_to :you  
end
```

Classic branching

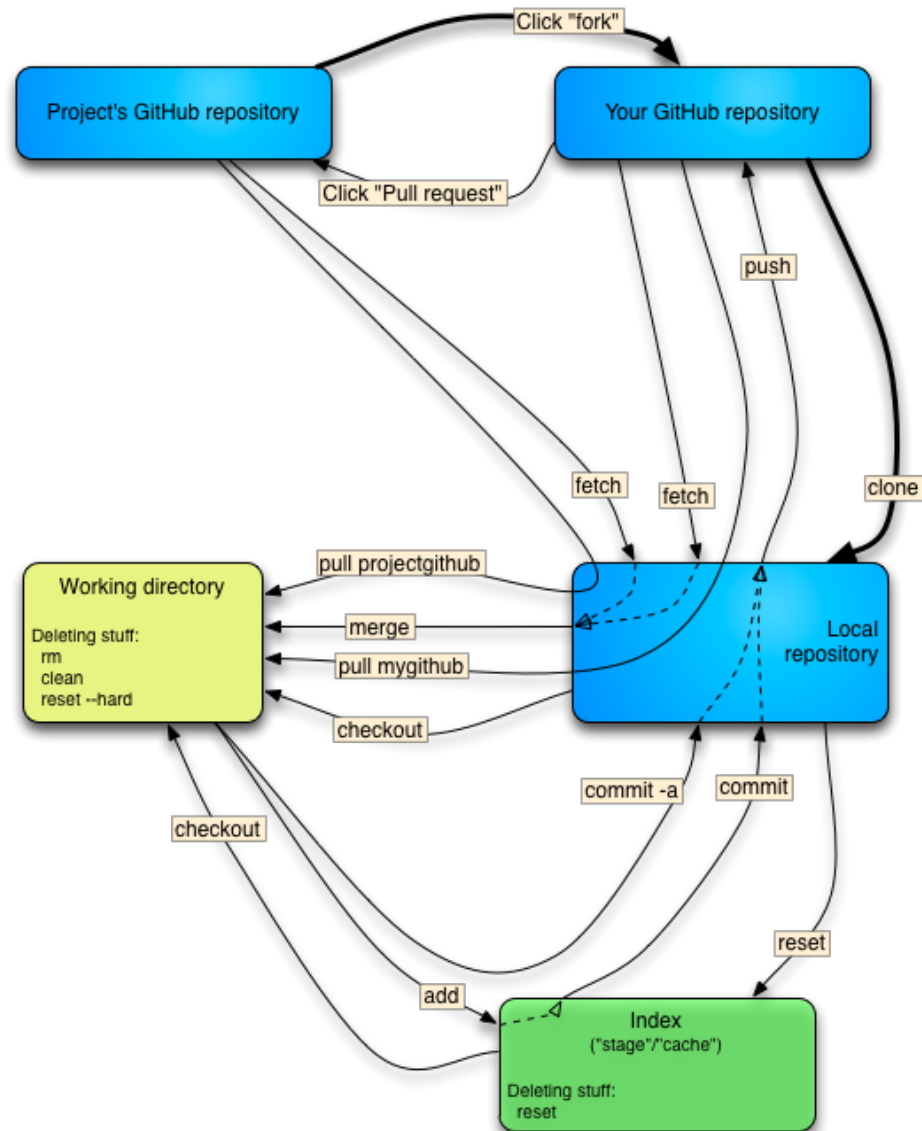


Agile branching

- Team merging
- Web hooks (Capistrano)
- Integrated testing
- Short burst patches



The github way



Recap

- `g checkout -b i5`
- `... #work ...`
- `g checkout master`
- `g merge i5`
- `g push`
- `g tag deploy ,by somebody`

More git ?

- `g blame` (gui pref)
- `g am`
- `g cherry-pick`
- General comments on remote
- <http://mroth.github.io/lolcommits/>

89a1fc80a00

try some lolcommits

Submodules

- `g submodule add https://github.com/horninc/jquery-js-as-submodule.git /path/to/../../jquery`
- Update all submodules = „`g submodule foreach git pull`”
- Update to specific = “`g checkout v1.11.0`”
- Lets try it ?

Merge

- Merge many branches at once (g merge A B C)
- Discover merge strategies
- Merge merging with your test suite

Workflows

Workflows

- There is not way to workflows, workflows are the way..
- `--git-author= /budha`

The mother of all workflows

- clone the remote repo
- `git checkout -b my_new_feature`
- ..work and commit some stuff
- `git rebase master`
- ..work and commit some stuff
- `git rebase master`
- ..finish the feature
- `git checkout master`
- `git merge my_new_feature`

Why?

- you rewrite your local commit history with the one of the master (and then reapply your work, resolving any conflict then)
- the final merge will certainly be a "fast forward" one, because it will have all the commit history of the master, plus only your changes to reapply.

Deploy

- Capistrano

Conclusions

- Fuck staging
- Remote is for exchange, not storage
- Branch, branch, branch
- Tag, tag, tag
- Branch again
- Merge i1 i2 i3 i4 i5 (octopus)

Remotes

- Heroku
- Beanstalkapp
- Github



2.3 bottles of good wine were
consumed into making of this
presentation

Your applause is appreciated