

A Code Journey

From your fingertips to production

In the beginning

```
class Person
  def initialize(first, last)
    @first, @last = first, last
  end

  def fullname
    [@first, @last].join(" ")
  end
end
```

Coding from the hip



```
describe Person do
  it "should know their first name" do
    bryan1 = Person.new("Bryan", "Liles")
    bryan1.fullname.should == "Bryan Liles"
  end
end
```

Scenario: Get a person's full name

Given a person with name "Bryan" and surname "Liles"

When I get their full name

Then the result should be "Bryan Liles"

Visiting our SCM



git

the fast version control system



```
~/my-project $ git init
```

gltosis

<http://bit.ly/gltosis>

git workflow – the reindh method

```
~/my-project [master] $
```

```
~/my-project [master] $ git co -b 1234-add-middle-name
```

```
~/my-project [1234-add-middle-name] $
```

```
~/my-project [1234-add-middle-name] $ git fetch origin master  
~/my-project [1234-add-middle-name] $ git rebase origin/master
```

```
~/my-project [1234-add-middle-name] $ git ci -a -m "..."
```

```
~/my-project [1234-add-middle-name] $ git rebase -i origin/master
```

pick a9df9af Adding comments
pick bc9a347 Removing comments
pick 4fa341d Created middle name method with specs

pick a9df9af Adding comments
squash bc9a347 Removing comments
squash 4fa341d Created middle name method with specs

[#1234] Add middle name to user

Created middle name method with specs

```
~/my-project [1234-add-middle-name] $ git checkout master  
~/my-project [master] $ git merge 1234-add-middle-name  
~/my-project [master] $ git push origin master
```

Continuously integrating

Integrity

the easy and fun automated
continuous integration server

projects

checked with **integrity**

None yet, huh?

Why don't you create your first project?

* Name

another-sekrit-project

* Git repository

/Users/bryan/Development/demo/another-sek

Branch to track

master

Build script

rake

Public project



Create Project

projects / another-sekrit-project

checked with **integrity**

[Edit Project](#)

No builds for this project, buddy

You can request a manual build

[Edit Project](#)

Built 12d6686 and failed

[Rebuild](#)

initial commit

by: bryanl | today | commit: 12d6686468398011f9f2deb779af5731377c6228

Build Output:

```
/opt/local/bin/ruby -I"/private/tmp/exports/Users-bryan-Development-demo-another-sekrit-pro  
(in /private/tmp/exports/Users-bryan-Development-demo-another-sekrit-project-.git-master)  
/opt/local/bin/ruby -I"/private/tmp/exports/Users-bryan-Development-demo-another-sekrit-pro  
Errors running test:units!
```



[Build the last commit](#) in the repository (or rebuild the latest)

[Edit Project](#)

Built c792fc8 successfully

added a person

by: bryanl | today | commit: c792fc88843ee7e73fe7cdec8b149d151f95d2af

Build Output:

```
/opt/local/bin/ruby -I"/private/tmp/exports/Users-bryan-Development-demo-another-sekrit-pro  
(in /private/tmp/exports/Users-bryan-Development-demo-another-sekrit-project-.git-master)  
Loaded suite /opt/local/lib/ruby/gems/1.8/gems/rake-0.8.4/lib/rake/rake_test_loader  
Started  
.  
Finished in 0.205639 seconds.  
  
1 tests, 1 assertions, 0 failures, 0 errors  
/opt/local/bin/ruby -I"/private/tmp/exports/Users-bryan-Development-demo-another-sekrit-pro  
/opt/local/bin/ruby -I"/private/tmp/exports/Users-bryan-Development-demo-another-sekrit-pro
```

[Build the last commit](#) in the repository (or rebuild the latest)

Practicing for the big day

```
~/my-project [master] $ git checkout -b qa  
~/my-project [qa] $ git push origin qa:refs/heads/qa
```

```
~/my-project [master] $ git checkout qa  
~/my-project [qa] $ git merge master  
~/my-project [qa] $ git push origin qa
```

```
$ git config alias.datetag '!git tag `date +%Y%m%d%H%M` ` `'
```

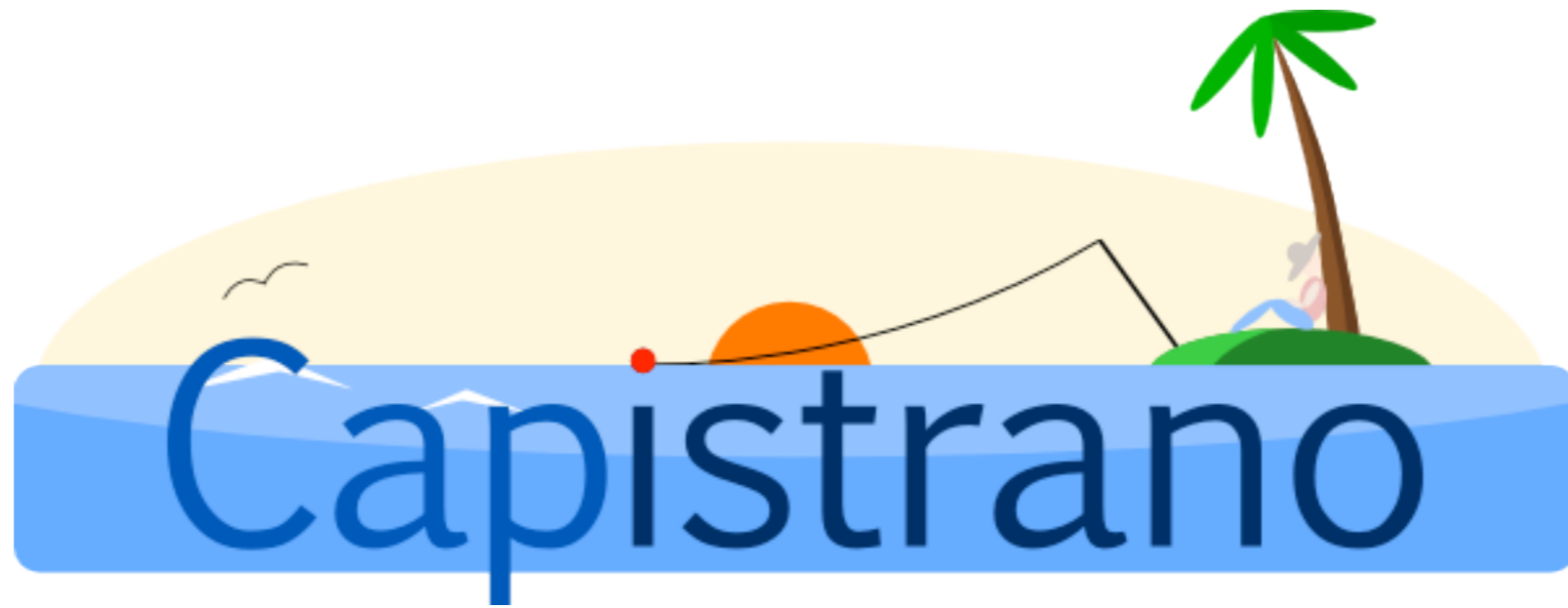
```
~/my-project [qa] $ git datetag
```

another-sekrit-project

View Branch Create Branch Search

Subject	Author	Date
○ master 200904160815 added a person	bryanl	2009-04-16 07:59:48
○ initial commit	bryanl	2009-04-16 07:54:11

On to production



```
~/my-project [master] $ cap -s branch=200904160815 deploy
```

protip: automate everything

Organization?





PIVOTAL TRACKER

Redmine

Recap

No cowboy coding

Code with a purpose

Have a workflow

Integrate continuously

Automate everything

Organize or die

TATFT





twitter

@bryanl

email

iam@smartic.us

interwebs

http://smartic.us