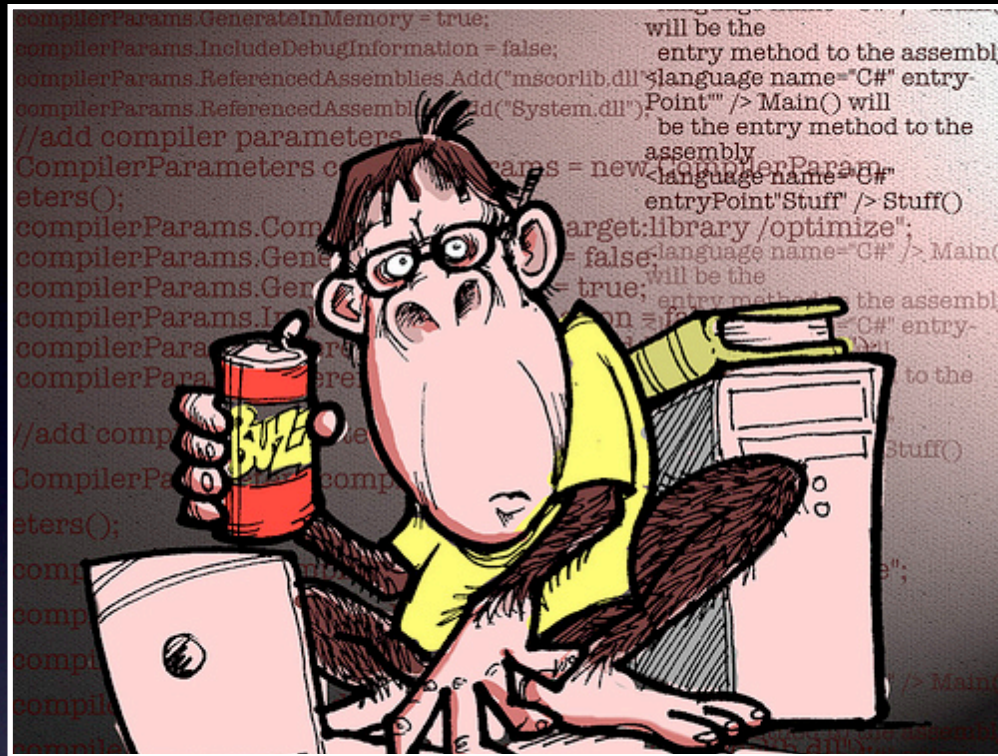


# Ruby/Rails Tools

Ruby Fools 2008 - Oslo



# About Me

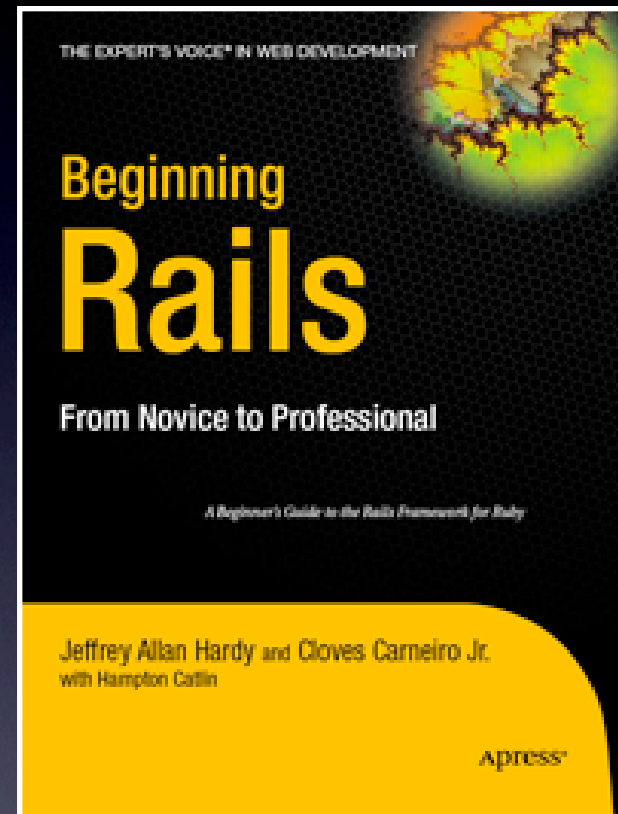
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# My Book

Beginning Rails  
From Novice to Professional



# Tools that matter

- Why do tools matter
- What tools should I use?
- Productivity Boost

# Contents

- SCM
- Editors/IDE
- Testing
- Rake
- Deployment
- Terminal/irb/console
- Generators

# Source Code Management

- Source Code Control
  - Access to all versions
  - Easily rollback bad design decisions
- Centralized
  - Subversion, CVS
- Distributed
  - Git, Mercurial

# Subversion

- Source Code Control
  - ➔ <http://subversion.trigis.org>
- Subversion Hooks
  - Continuous Integration
  - Diff emails in your Inbox
  - Anything you want

# Diffs in your Inbox

- What is it?
- What do I get?

```
Restate activity: r742 - in trunk: app/models test/unit Trash  
SpinBits  
🗑 Restate SVN <automation@spinbits.com> to developers More options Apr 9 (3 days ago)  
Author: junior  
Date: 2007-04-09 09:16:14 -0500 (Mon, 09 Apr 2007)  
New Revision: 742  
  
Modified:  
  trunk/app/models/property.rb  
  trunk/test/unit/property_test.rb  
Log:  
Removed latitude/longitude methods that were overwriting code in the acts_as_mappable  
plugin  
  
Modified: trunk/app/models/property.rb  
=====
```

```
--- trunk/app/models/property.rb      2007-04-09 13:41:52 UTC (rev 741)  
+++ trunk/app/models/property.rb      2007-04-09 14:16:14 UTC (rev 742)  
@@ -77,14 +77,6 @@  
   self.name.nil? ? id : "#{id}-#{name.gsub(/[^a-z0-9]+/i, '-')}"  
   end  
  
- def latitude  
-   building.nil? ? neighborhood.latitude : building.latitude  
- end
```



# Continuous Integration

- What is it?
- When does it run?
- How does it help?

# CI Tools

- Rails plugin
  - ➔ `./script/plugin install continuous_builder`
- Cerberus
  - ➔ <http://cerberus.rubyforge.org>
- Cruise Control
  - ➔ <http://cruisecontrolrb.thoughtworks.com>

# Text Editor / IDE

- Know one editor very well
- Syntax coloring
- Auto completion
- Project/File Browser

# Ruby/Rails IDEs

- RadRails

➔ <http://www.apptana.com/rails/>

- NetBeans

➔ <http://www.netbeans.org/features/ruby/>

- Others ..

# TextMate

➔ <http://macromates.com>

- Bundles
  - Ruby
  - Rails
- Quick navigation

# TextMate Ruby Bundle

- Smart Auto-complete
- Run Ruby code from the editor
- Code Snippets

# TextMate

# Rails Bundle

- Smart Auto-complete
- Move from View to Controller to Test
- Rails practices

# Rake

- What is it?
- How it helps?



# Rake for Rails

- `test:units/functionals/integration/uncommitted`
- `db:fixtures/migrate/schema/sessions`
- `rails:freeze/unfreeze/update`
- `doc:app/plugins/rails`
- `stats`
- `log:clear`

# Test

- Code coverage
  - Rcov
- Autotest(ZenTest)
  - Growl notifier
  - RedGreen

# Rcov

- What is it?
  - How does it look?
- ➔ `gem install rcov`

RC code coverage information

Generated on Wed Dec 06 15:10:13 GST 2006 with rcov 0.7.0

Name	Total lines	Lines of code	Total coverage	Code coverage
TOTAL	1249	1061	99.36	99.36
app/controllers/about_controller.rb	8	8	100.00	100.00
app/controllers/account_controller.rb	111	113	100.00	100.00
app/controllers/admin/base_controller.rb	10	10	100.00	100.00
app/controllers/admin/building_controller.rb	15	41	100.00	100.00
app/controllers/admin/dashboard_controller.rb	39	27	100.00	100.00
app/controllers/admin/landmark_controller.rb	42	38	100.00	100.00
app/controllers/admin/neighborhood_controller.rb	49	38	100.00	100.00
app/controllers/admin/property_controller.rb	39	34	100.00	100.00
app/controllers/admin/translate_controller.rb	31	27	100.00	100.00
app/controllers/application.rb	67	64	100.00	100.00
app/controllers/building_controller.rb	38	31	100.00	100.00
app/controllers/comment_controller.rb	10	11	100.00	100.00
app/controllers/highschool_controller.rb	14	15	100.00	100.00
app/controllers/photo_controller.rb	15	23	100.00	100.00
app/controllers/rating_controller.rb	24	29	100.00	100.00
app/controllers/sales_controller.rb	41	34	100.00	100.00
app/controllers/search_controller.rb	38	36	100.00	100.00
app/controllers/stat_controller.rb	19	18	100.00	100.00
app/helpers/about_helper.rb	2	2	100.00	100.00
app/helpers/admin/base_helper.rb	1	1	100.00	100.00
app/helpers/admin/building_helper.rb	1	1	100.00	100.00
app/helpers/admin/dashboard_helper.rb	2	2	100.00	100.00
app/helpers/admin/landmark_helper.rb	1	1	100.00	100.00
app/helpers/admin/neighborhood_helper.rb	1	1	100.00	100.00
app/helpers/admin/property_helper.rb	2	2	100.00	100.00
app/helpers/admin/translate_helper.rb	1	1	100.00	100.00
app/helpers/application_helper.rb	112	99	97.32	98.98
app/helpers/building_helper.rb	2	2	100.00	100.00
app/helpers/comment_helper.rb	1	1	100.00	100.00
app/helpers/neighborhood_helper.rb	1	1	100.00	100.00

# ZenTest/Autotest

- How does it help me?

➔ `gem install ZenTest`

- Add ons
  - Growl notifier
  - RedGreen

# Deployment

- The need
- Capistrano
- Vlad The Deployer

# Capistrano

- How to install?
  - ➔ `gem install capistrano`
- Recipes all over the net

# Vlad The Deployer

- How to install?
  - ➔ `gem install vlad`
- Rake based
  - `rake vlad:deploy`

# deploy.rb

```
set :domain, "server.com"
set :deploy_to, "/usr/local/rails/fu"
set :repository, "svn://server.com/apps/fu"

namespace :vlad do
  task :deploy => ['vlad:update', 'vlad:symlink', 'vlad:migrate',
'vlad:restart_mongrel']
  desc 'Restarts mongrel cluster'
  remote_task :restart_mongrel, :roles => :app do
    run "cd #{current_path} && sudo mongrel_rails
cluster::stop && mongrel_rails cluster::start"
  end
end
```



# Terminal/irb/console

- Interactive shell
- Interact with Ruby/Rails code on the spot
- irb comes with Ruby
- script/console comes with Rails

# Generators

- Rails makes great use of generators
- ➔ `gem install rubigen`

# Finding tools

- How much time to invest?
- When to stop searching?
- Didn't find what you need?  
WRITE AND SHARE IT

# Summary

- Tools are powerful
- Tools are your friend
- Have fun

# Resources

- <http://rubyinside.com>
- <http://agilewebdevelopment.com>
- <http://errtheblog.com/>
- <http://drnicwilliams.com/>
- <http://rubyunderground.org/>

Thank you