Overview

- Short intro to Ruby.
- Short intro to Rails.
- Build a small Rails app with Aptana.
What is Ruby?

- Object-Oriented Language
- Interpreted, No compiler
- Dynamically typed reflective
- Powerful iterators and code block support
  - IRB Demo
What is Rails?

- MVC
- ActiveRecord (ORM)
- ActionPack (controller, http request/responses)
- ActionView (Html Templating)
- Database Migrations
- 1,000s of plugins
No Jars, No XML

http://www.youtube.com/watch?v=PQbuyKUaKFo
Aptana Studio

- Full Feature Web development environment
- Built-on Eclipse
- Includes support for Php, Javascript, Ruby on Rails & Python.
Creating a Rails Application

- Click File -> New -> Rails Project
  - For quick setup, use sqlite.
Generate Some Models

- Click "Console" tab
- `script/generate model post title:string body:text`
  
  *or*
  
  `script/generate resource post title:string body:text`

- Resource adds restful route.
Generate the Database

- From Rails Console:
  - rake db:migrate

- Edit Model, add validations.
Edit Controller and View

- Use Aptana H/T/M/V/C
- Add 'new' method to app/controllers/posts_controller.rb
- Preview page in Aptana browser.
- Add 'new' view file
Add create action

- Add create action to posts_controller
Add Show Action

- Add show action to posts_controller
- Talk about RESTFUL routes
  - rake routes
  - Add new create with format
Add fields to post

- script/generate migration add_author_to_post
  author:string
- Add field to create and show
Adding an Index

- Add index action to controller
- Add _post partial
- Edit show & index
Add New Route

- Edit config/route.rb
- Delete public index.html
Adding a Layout

- Add files to app/views/layout
  - posts.html.erb
  - If layout file for controller exists, that will be used.
Adding Comment

- script/generate resource comment
- rake db:migrate
- Edit Comment model
- Edit Post model.
- Add comments to post controller and post "show" view.
- Add create action to comment_controller.
Testing

- Add shoulda test plugin
  
  http://www.thoughtbot.com/projects/shoulda

- run rake db:test:prepare

- Edit comment_test.rb and post_test.rb