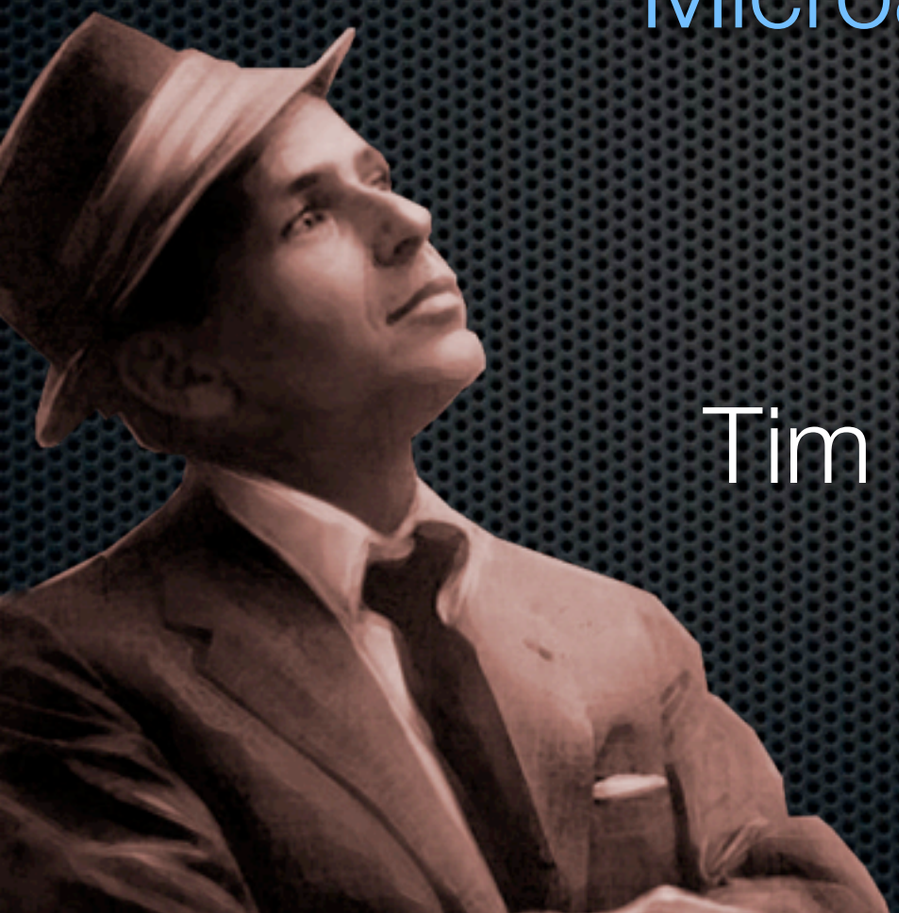
Sinatra

Microapps Running on Rack



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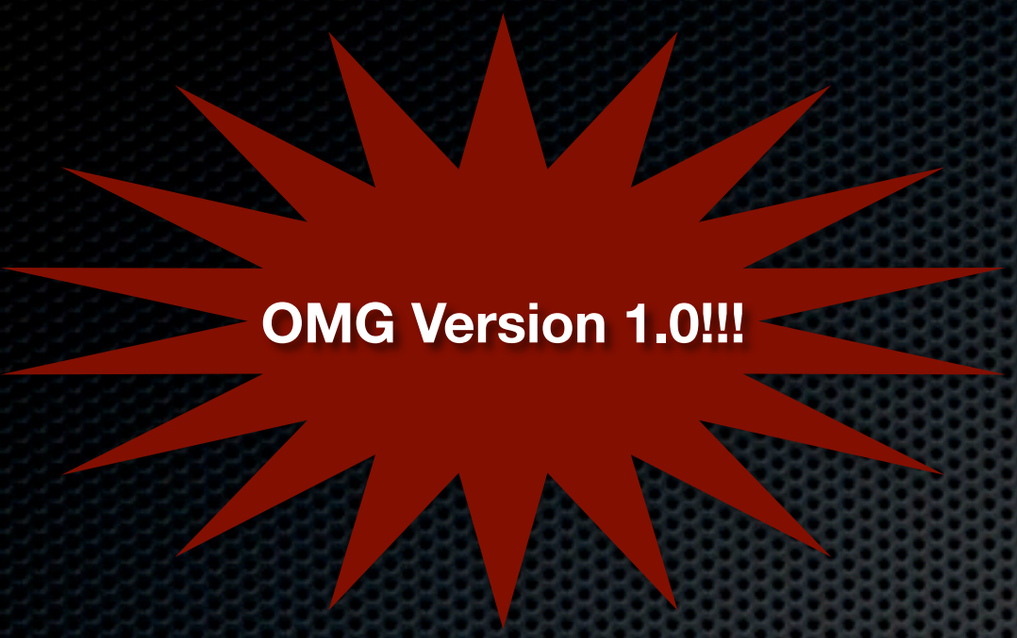
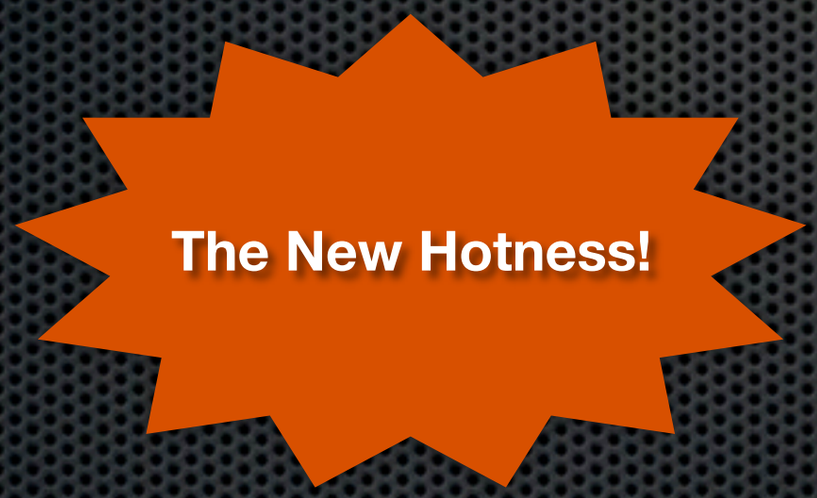
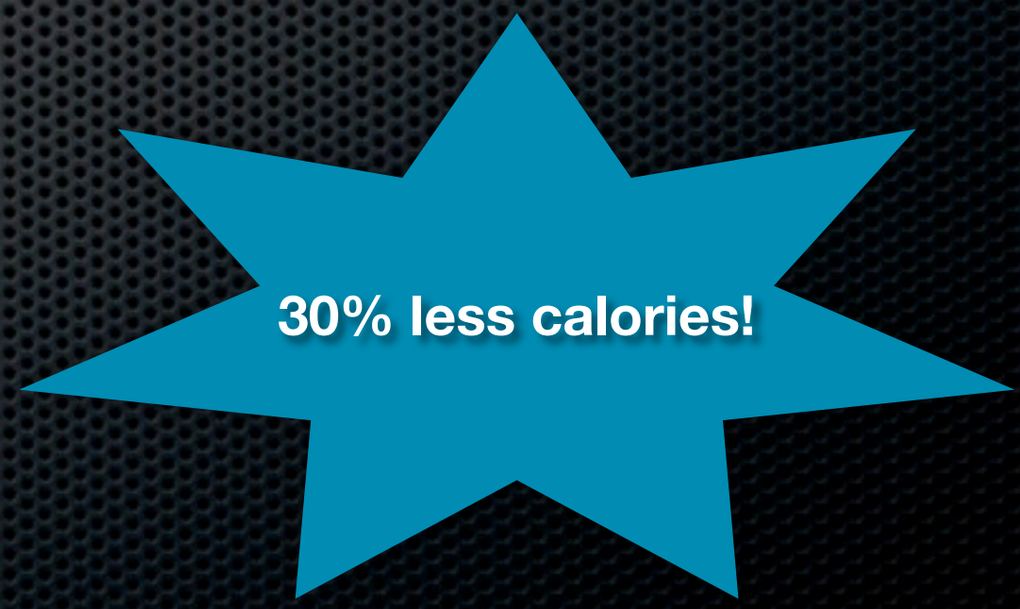


Sinatra is a DSL for the web

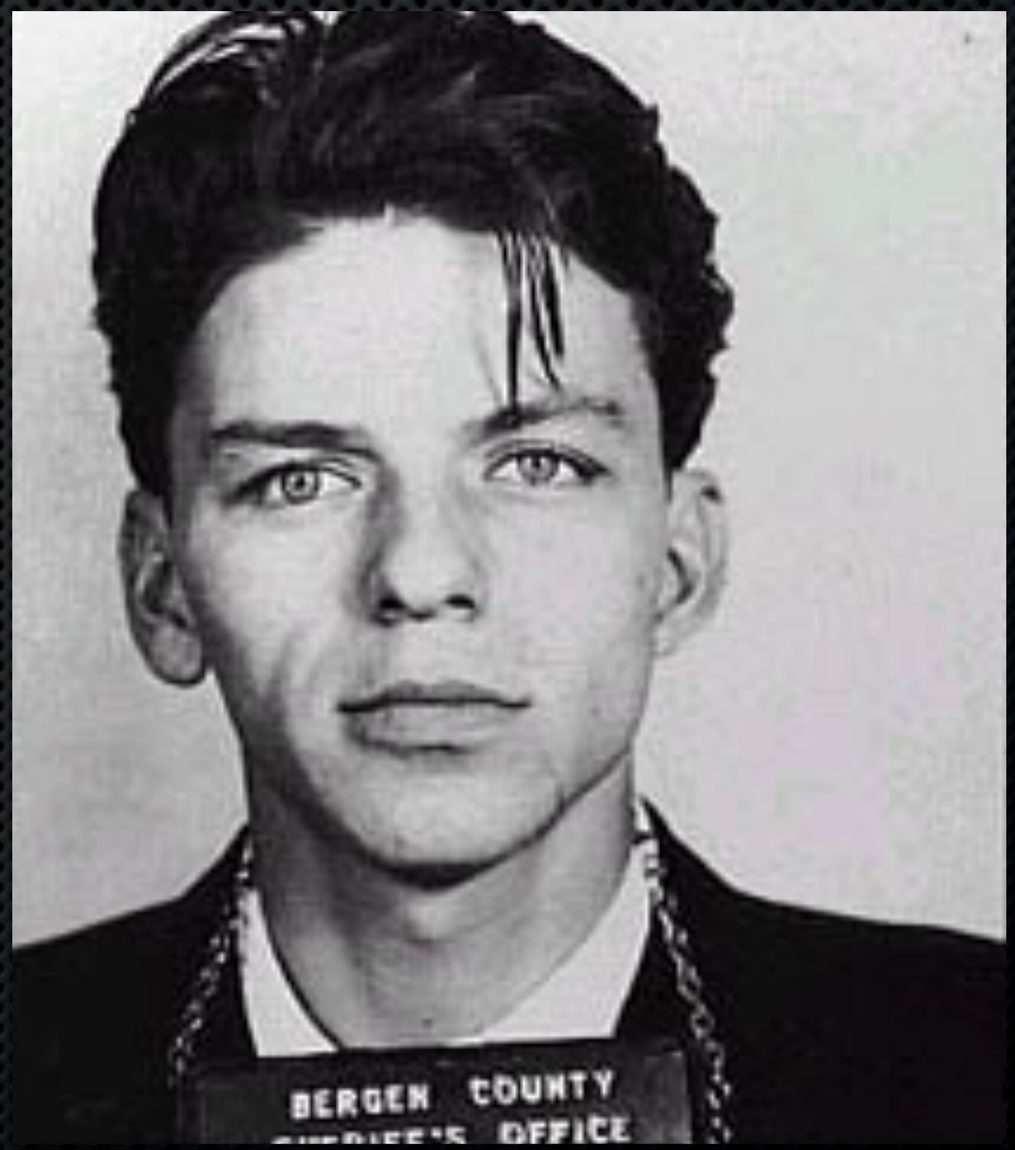




Why Use Sinatra over ____?

- It's fast, small, and lean
- Only TWO dependencies (Rack & a little love)
- Great for middleware
- Outstanding for modular microapps
- Strong emphasis on HTTP
- Low "WTF to LOC" ratio

—Jeremy McNally via Blake Mizerany



Sinatra is so easy it should be illegal

What do you mean by “Microapp”?

- Very focused functionality
- Loose coupling to other components
- Can be deployed separately from your application

Installation

```
gem install 'sinatra'
gem install 'shotgun'
```

The Obligatory “Hello, world!” Example

```
require 'sinatra'

get '/' do
  "Hello, world!"
end
```

Running it is easy

```
tim@kaled ~$ ruby hello_world.rb
== Sinatra/1.0 has taken the stage on 4567 for development with backup from Thin
>> Thin web server (v1.2.5 codename This Is Not A Web Server)
>> Maximum connections set to 1024
>> Listening on 0.0.0.0:4567, CTRL+C to stop
```

```
tim@kaled ~$ curl http://localhost:4567/
Hello, world!

tim@kaled ~$
```

Access to all four major HTTP verbs

```
get '/' do
end

post '/' do
end

put '/:id' do
end

delete '/:id' do
end
```

Named Parameters

```
post '/doctor/:number' do
  "The best Doctor was number #{params[:number]}"
end
```

Regular Expressions

```
get %r{/dalek/([\w]+)} do
  "I WILL EXTERMINATE #{params[:captures].first}..."
end
```

```
get %r{/dalek/([\w]+)} do |the_doctor|
  "I WILL EXTERMINATE #{the_doctor}..."
end
```

Flexible Templating Options

```
require 'sinatra'
require 'haml'

get '/tardis' do
  haml :police_box
end
```

Easily work with:
haml, erubis, builder, sass, less, mustache,
etc.

Classic -vs- Classy

- The “Classy” Sinatra app wraps your code in a class
- Inherit from Sinatra::Base
- Don’t get a lot of magic from the classic approach
- Facilitates modularity

Example “Classy” Sinatra

```ruby
require 'rubygems'
require 'sinatra/base'
require 'haml'

module Classy
  class MyApp < Sinatra::Base

    get '/' do
      haml :index
    end

  end
end
```

Wire up apps with Rack

A sample config.ru:

```
require 'rubygems'
require 'sinatra'
require 'myapp'      # A Sinatra App
require 'adminapp'   # Another App

set :environment, :development
set :root,        File.dirname(__FILE__)

disable :run

map '/' do
  run Classy::MyApp
end

map '/admin' do
  run Classy::AdminApp
end
```

Rack it up with Rails 3

According to Yehuda on http://yehudakatz.com/2009/12/26/the-rails-3-router-rack-it-up/

```
WailsTweee::Application.routes do
  match "/myapp", :to => Classy::MyApp
end
```

THANKS!!!

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