

# Sinatra

## Practical Introduction

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- Ruby, Rails for last 2 years
- Java before that
- C++ even before
- @Kontera

# Ground Rules

- It's ok to interrupt me
- “Just-in-time” questions
- Don't need to write down
- <https://github.com/gregorymostizky/sinatra-intro>

Sinatra?

# Sinatra is not Rails

- Rails is big and opinionated
- rails create ...
- You get routes, orm, js integration, tons of utilities, test sets ....

# Sinatra is..

- A DSL for quickly creating web applications
- Extremely light weight
- Doesn't force any gem/framework but...
- Plays nicely with most everything
- DIY paradise?

# Sinatra good for...

- Good for..
  - Small apps
  - AJAXified apps
- Google Home Page
- New Twitter interface
- Disqus

# Not so good for..

- Google Adwords
- CNN
- Rule of Thumb - if you have more than few pages/actions - use rails otherwise you are going to re-implement it anyway

# Sinatra At Kontera

- Internal tools
  - Data access
  - Monitoring
- External Web Services
  - (async flavor)

# 01 Hello World

- Simplest application
- Running with ruby
- Demo in browser

02 Routes

- Different verbs
- Parameters in routes
- Routes evaluation order
  - pass
- Regexp routes

# 03 Returns

- String
- Array
- Redirects
- Implicit
  - body
  - status

# 04 Monitor App

- Sessions
- Filters (before, after)
- Views

05 Monitor w/ Reports

- post methods
- curl -XPOST

# 06 Drilldown

- Multiple Views
- Static Files

07 Rack

- ❖ config.ru
- ❖ bundler & lib dir
- ❖ attachments
- ❖ json
- ❖ testing

# Rack overview

- Connects between ruby web servers and frameworks
- Servers: webrick, mongrel, thin, passenger, glassfish...
- Frameworks: Rails3, Sinatra ...

- ❖ Middleware
  - ❖ Logging, Exception Pages, Reloading
  - ❖ Error Pages, Static Files, URL manipulation
  - ❖ Request/Response access, Testing
  - ❖ Security, Sessions, JS minify ....

# Deployment

- Standard ruby deployment techniques
- Front end proxy - apache, nginx, haproxy
- Multiple Runners behind it

# Conclusion

- Little framework that can
- Explore on your own
- Make web services out of anything
- AJAXy UI
- Scale up via `async_sinatra`