

# Riding IronRuby on Rails

Shay Friedman

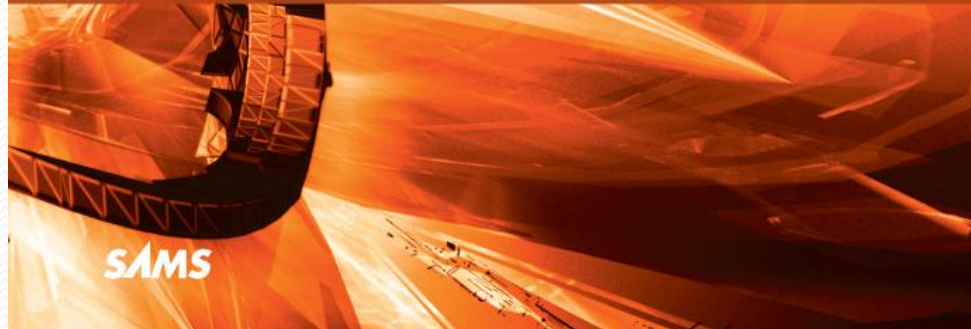
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# IronRuby

**UNLEASHED**

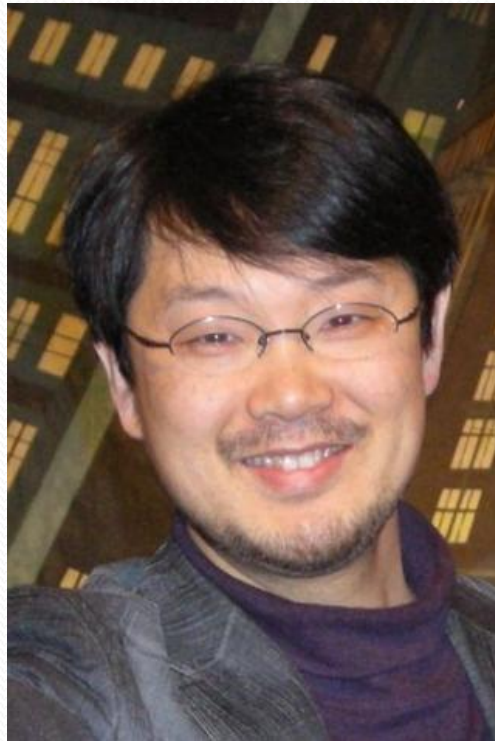


**SAMS**

# Agenda

- Part 1 – IronRuby
  - Fundamentals
  - Cucumber
  - Silverlight
- Break
- Part 2 – Ruby on Rails

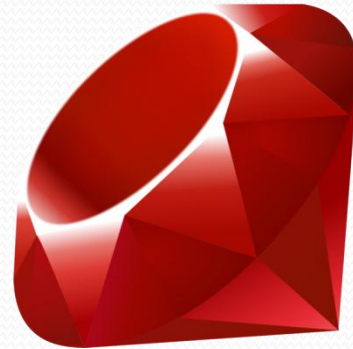
# The Ruby Language



Yukihiro Matsumoto

# The Ruby Language

- Dynamic language
- Duck typed
- Powerful syntax
- REPL
- Metaprogramming
- Available libraries
- Open source





Iron**Ruby**




Cucumber 



# Resources

- Ruby Official Site: <http://www.ruby-lang.org>
- IronRuby Official site: <http://www.ironruby.net>
- Mailing list: <http://www.ruby-forum.com/forum/34>
- My blog: <http://www.IronShay.com>
  
- Ruby libraries:
  - <http://rubyforge.org>
  - <http://github.com>
  - <http://raa.ruby-lang.org>



Q & A

# Part 1 Overview

- IronRuby Fundamentals

Dynamic, duck typed, powerful syntax, metaprogramming, libraries, .Net integration

- Cucumber

Testing framework based on BDD principles.

- Silverlight – Gestalt

The DLR brings dynamic languages to the browser.

# Agenda

- Part 1
- Break
- Part 2 – Ruby on Rails
  - Fundamentals
  - Building a blog application from scratch



# Ruby on Rails Fundamentals



David Heinemeier Hansson

# Ruby on Rails Fundamentals

*“Rails is the killer app  
for Ruby”*

- Matz

# Ruby on Rails Fundamentals



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# Ruby on Rails Fundamentals

- MVC
- REST
- Convention over Configuration
- Don't Repeat Yourself
- Tests
- Plugins
- Coolness

# Ruby on Rails Fundamentals

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**GET** `http://localhost:3000/users/4`

➔ Show user 4

# Ruby on Rails Fundamentals

- MVC
- REST
- Convention over Configuration
- Don't Repeat Yourself
- Tests
- Plugins
- Coolness

**DELETE** `http://localhost:3000/users/4`

➔ Delete user 4

# IronRuby on Rails

- Seamless integration with .Net objects.
- Running on IIS!

# RoR Model - ActiveRecord

```
class Bug < ActiveRecord::Base  
end
```

# RoR Model – ActiveRecord Associations

```
class Bug < ActiveRecord::Base
  belongs_to :projects
  has_many :steps
  has_one :status
end
```

# RoR Model – ActiveRecord Validation

```
class Bug < ActiveRecord::Base
  validates_length_of :name, :minimum => 10
  validates_presence_of :scenario
  validates_acceptance_of :terms_of_service
  validates_confirmation_of :email
end
```

# RoR Model – ActiveRecord Finders

```
Bug.find(10)
```

```
Bug.find(:all)
```

```
Bug.all
```

```
Bug.all(:conditions =>  
        ["title = ?", "crash"])
```

```
Bug.first
```

```
Bug.find_by_title("crash")
```

```
Bug.all(:order => "fix_date DESC")
```

# RoR Controller - ActionController

- params
- request
- response
- session
- headers
- logger
- render
- flash

# RoR Controller – ActionController Filters

- `before_filter`
- `after_filter`
- `around_filter`

# RoR View - ActionView

- ERB | Builder | RJS | More...

- Layouts

- Partials

- Helpers

```
<% form_tag do %>
```

```
  Form contents
```

```
<% end %>
```

```
<%= select_tag(:status_id,  
              options_for_select([[ 'New',1],  
                                  [ 'In Progress',2], [ 'Fixed',3]],1)) %>
```


- AJAX

# Demo – Ruby on Rails

building a blog app from scratch

# Resources

- RoR official site: <http://rubyonrails.org>
- IronRuby on Rails: Google IronRuby.Rack



Q & A

# Day Overview

- Part 1 - IronRuby
- Break
- Part 2 – Ruby on Rails

ActiveRecord, ActionController, ActionView, ActiveSupport, layouts, partials, validations, filters, RSS, AJAX

*“I came for the Rails but I stayed for the Ruby”*



# Thank You

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