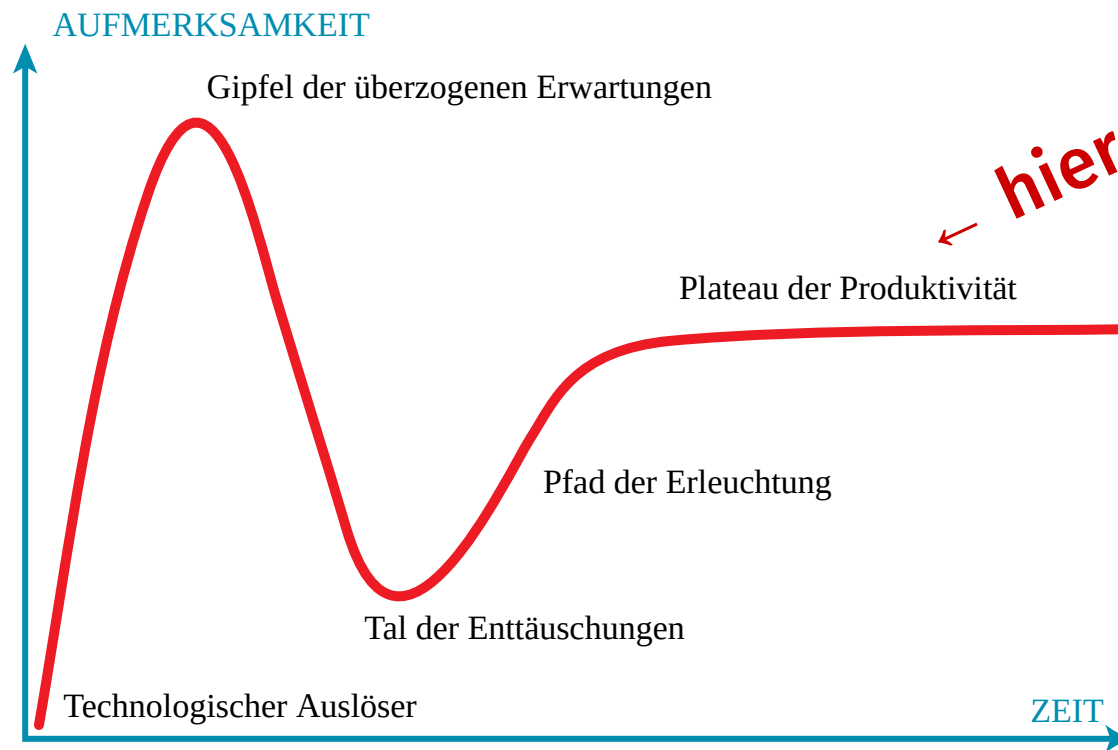




Ruby on Rails

... auf dem Plateau der Produktivität



Überblick

- Framework aus [Basecamp](#) extrahiert
- Version 5 (released am 30.06.2016)
- MVC

 rails / rails

 Watch ▾

2,258

★ Star

32,124

 Fork

13,052

↔ Code

! Issues 474


 Pull requests 644

 Pulse

 Graphs

Ruby on Rails <http://rubyonrails.org>

 58,905 commits

 27 branches

 299 releases

 3,110 contributors

Doktrin

Optimize for programmer happiness

Principle of Least Surprise (To Matz)

```
3.times { print 'Hello' }  
print 'Hello' * 3
```


2.days.ago

Convention over Configuration

"You're not a beautiful and unique snowflake."

Model "Person"

```
class Person < ApplicationRecord
  belongs_to :address
end
```

Tabelle "people"

id	address_id	name
1	1	Alice

Model "Address"

```
class Address < ApplicationRecord
  has_many :persons
end
```

```
a = Address.new(street: 'Foo St.', city: 'Barville')  
Person.create!(name: 'Alice', address: a)
```

```
Address.where(city: 'Barville').persons
```

No one paradigm

Exalt beautiful code

```
class Person < ApplicationRecord
  belongs_to :address
  validates_presence_of :name
end
```

```
class CreatePeople < ActiveRecord::Migration[5.0]
  def change
    create_table :people do |t|
      t.string :name
      t.references :address, foreign_key: true
    end
  end
end
```

Provide sharp knives

Value integrated systems

Progress over stability

Features

ActiveRecord

- Object-relational Mapper (datenbankunabhängig)
- Migrations

ActionView

- Unabhängig von der Templatesprache (ERB, HAML, Jade)
- Funktioniert auch für JSON, XML (ATOM), etc.

```
= render 'shared/header'
```

POST auf /people

```
= form_for @person do |f|  
  = f.text_field :name  
  = f.submit
```

ActionController

```
class PeopleController < ApplicationController
  def update
    Person.find(params[:id])
      .update_attributes!(params.permit(:name))
  end
end
```

Weitere...

- Action**Mailer**
- Active**Job**
- Action**Cable**

Weitere...

- "minitest" für Tests
- "rubygems" für Paketmanagement (darüber auch Frontendpakete aus bower)

Weitere...

- Asset Pipeline
- Unobtrusive JavaScript
 - `link_to 'Delete', @person, method: :delete`
- Security by default
 - Praktisch kein SQLi
 - CSRF Tokens
 - Verschlüsselte/signierte Sessions

Fragen?

Quellen

- <http://rubyonrails.org/doctrine/>
- <http://guides.rubyonrails.org/index.html>
- <https://speakerdeck.com/tehviking/surviving-the-framework-hype-cycle>
- <https://github.com/nning/wissenshunger-rails>