

JAVASCRIPT APPLICATIONS ON TOP OF RAILS

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Chaplin

CHAPLIN

<https://github.com/moviepilot/chaplin>

CHAPLIN

A JavaScript Application Architecture
on top of Backbone.js

MVC, Mediator & Publish/Subscribe

Convention over Configuration & DRY

RequireJS / AMD

Search movies or actors



Marinus Lübke

News Stream

Upcoming Movies

Opinions

8 Subscriptions

Action 3

Brave 1

The Avengers 2

John Carter 10

Dredd 1



Superheroes · The Avengers · Moviepilots – 1 day ago

Tony Stark Brings The Party To Us! 'Avengers' Trailer #2

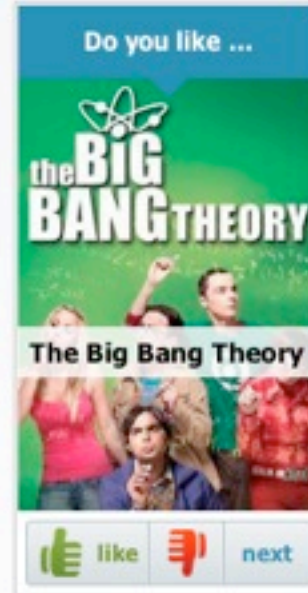
Edit



Bam! Crash! Smash! The final *Avengers* theatrical trailer has arrived in all its skyscraper-crushing, planet-destroying, people-massacring glory. And it's beautiful! The recent onslaught of *Avengers* marketing materials—promos, posters, toys and endless other tie-ins—had watered down our enthusiasm a notch, but today our faith in Joss Whedon and Earth's mightiest heroes was reignited!

This trailer is filled with so many awesome explosive moments that I was instantly converted back to loyal *Avenger* fan number one. Witness Iron Man plummet to Earth after getting smacked in the chest by a cannon blast from an unknown alien ship (the jury is still out on who these aliens are exactly), tumbling and tumbling as all hope seems lost and then—WHAM! From out of nowhere, he's caught in the furious rippling arms of the Incredible Hulk!

Assemble your brain and check it out!



MOVIEPILOT.COM

Discover Movies First

MOVIEPILOT.COM

A spin-off targeting the international (English-speaking) market

Whole new concept compared to Moviepilot.de

Single-Page-Application

HTML templating, login etc. on the client

Fat Client, Slim Application Server

SINGLE-PAGE APPS

Look & Feel of an App

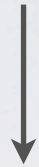
Snappy user interface

Much client-side interaction

Ajax polling and Websockets pushing

Alternatives: read DHH on Basecamp (bit.ly/xGADFJ)

moviepilot.com JavaScript App



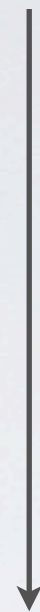
moviepilot.com
Rails app



Edward
Rails JSON API



MySQL



Sheldon
Neo4J on jRuby



RAILS FOR JAVASCRIPT APPS

Rails is an excellent platform to deliver JavaScript applications

Rails Asset Pipeline: “Fast by default”

Compilation & Packaging of CoffeeScript, Sass/Compass

DUAL-USE APIS

Rails is an excellent choice for JSON APIs

Query them from other (Rails) components or directly from the client

Proper URLs and search-engine accessibility

Render a minimal page on the server, then load the JavaScript app on top

LEARNING FROM RUBY FRAMEWORKS

Building a proper MVC architecture on top of Backbone.js

Backbone.js is minimalistic and its MVC approach is... funky

Learn from Rails Routing (routes.rb) and Controllers (actions, params)

Of course client-side MVC is not the same, e.g. REST/CRUD works differently

Duplicate stack: MVC on server – MVC on client

$$\text{RB} + \text{JS} = <3$$

Rails has made tremendous efforts to support JavaScript application development (Rails Asset Pipeline, CoffeeScript...)

ECMAScript 6 will borrow several ideas of the Ruby language

Ruby developers, embrace JavaScript!

JavaScript developers, embrace Ruby!

THANKS!

@molily on Twitter and Github

<http://molily.de/>

<http://9elements.com/>

<http://moviepilot.com/>

<https://github.com/moviepilot/chaplin>