

GRAILS FOR HIPSTERS

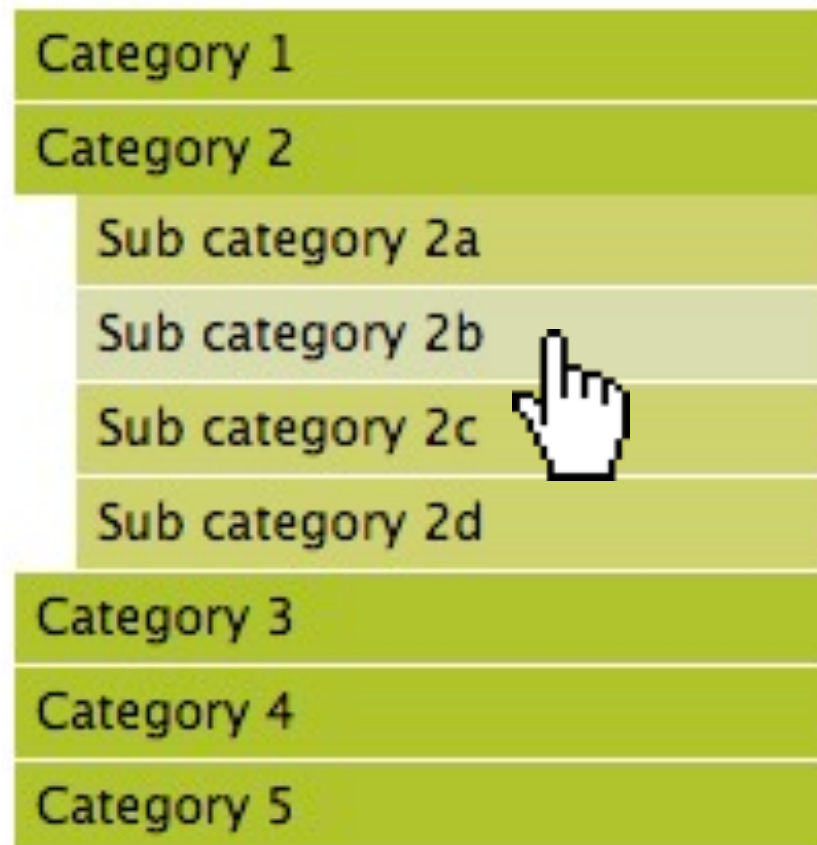
Rob Fletcher
Energized Work
@rfletcherEW

Who am I?

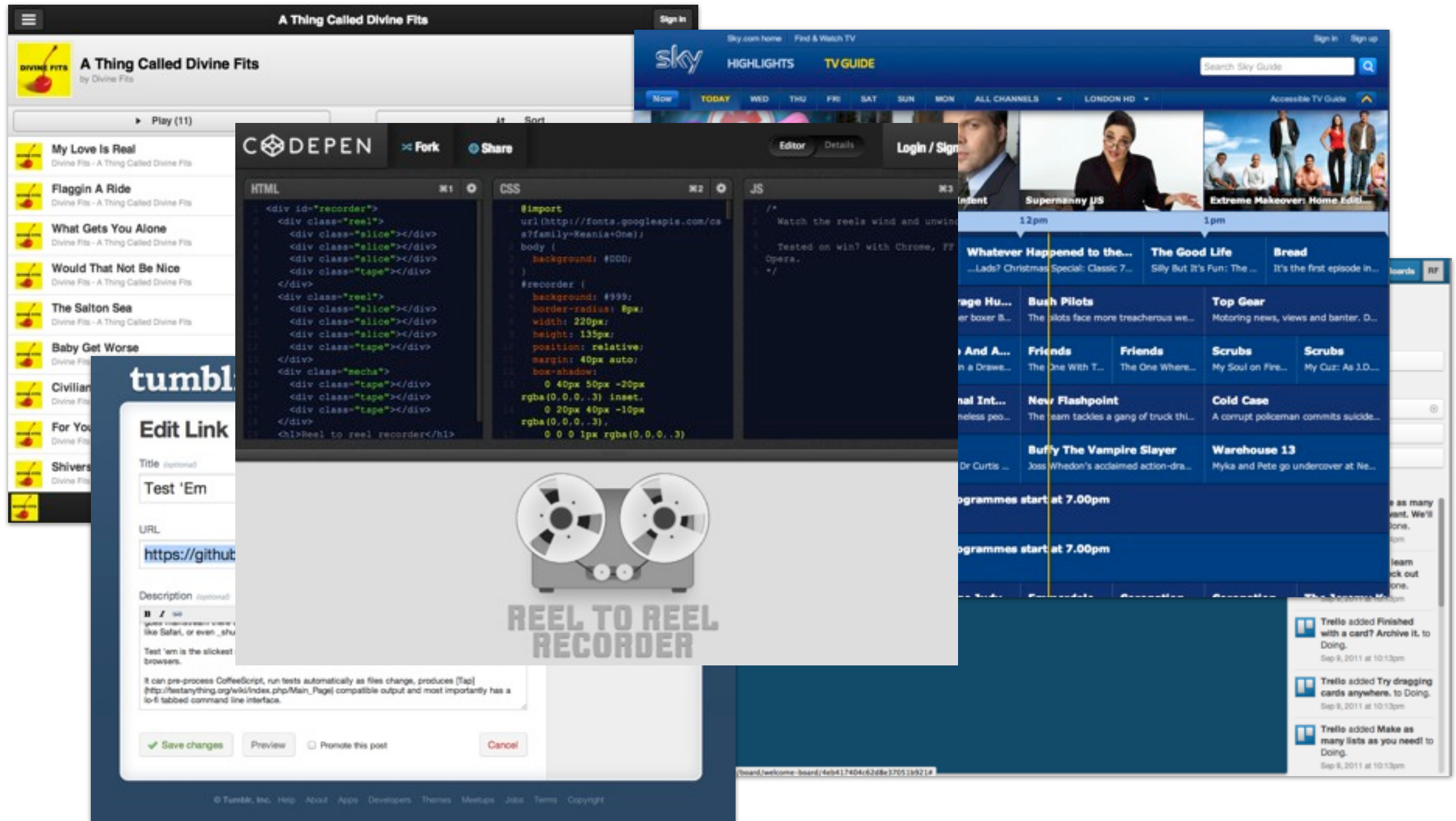
- Associate at Energized Work
- Author of *Betamax* & various Grails plugins
- Into Grails before it was mainstream




JavaScript 2006



JavaScript 2013



Is Grails hipster-friendly?



GRAILS

[Home](#) [Person List](#)

Create Person

First Name

Last Name

Address

Street

City

State

Zip Code

Band

[Create](#)

Enterprise development



Hipster development




Demo time...

hipsteroid.energizedwork.com

Polaroid

Sexy Mamas
2/23/2018 3018

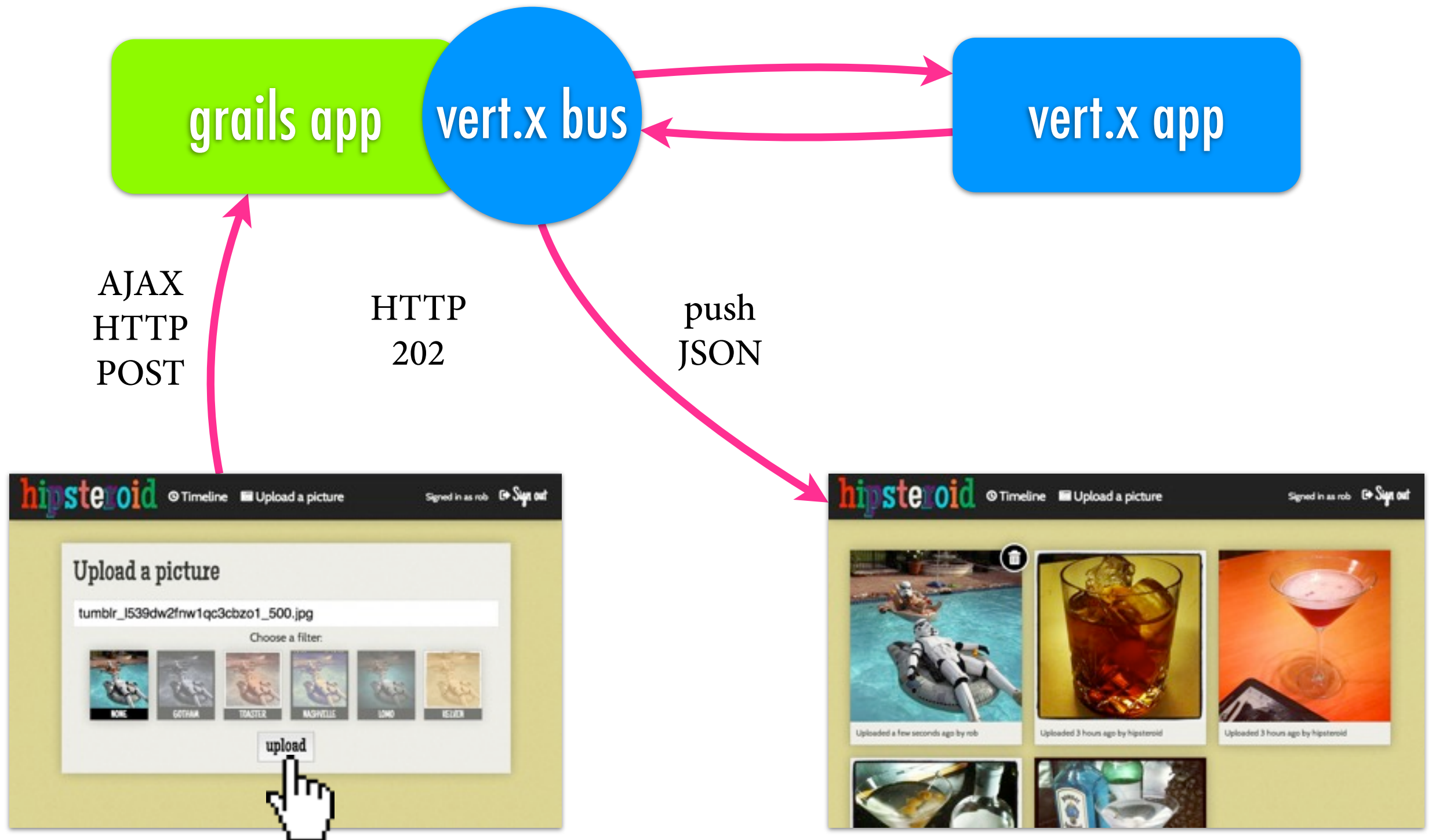
A pair of Converse All Star sneakers with a plaid pattern in shades of blue, red, and white. The shoes are shown from the side, with the white rubber sole and the 'ALL STAR' branding visible. The background is a dark, textured surface. The text 'Asynchronous processing' is overlaid in a large, bold, black font across the center of the image.

Asynchronous processing

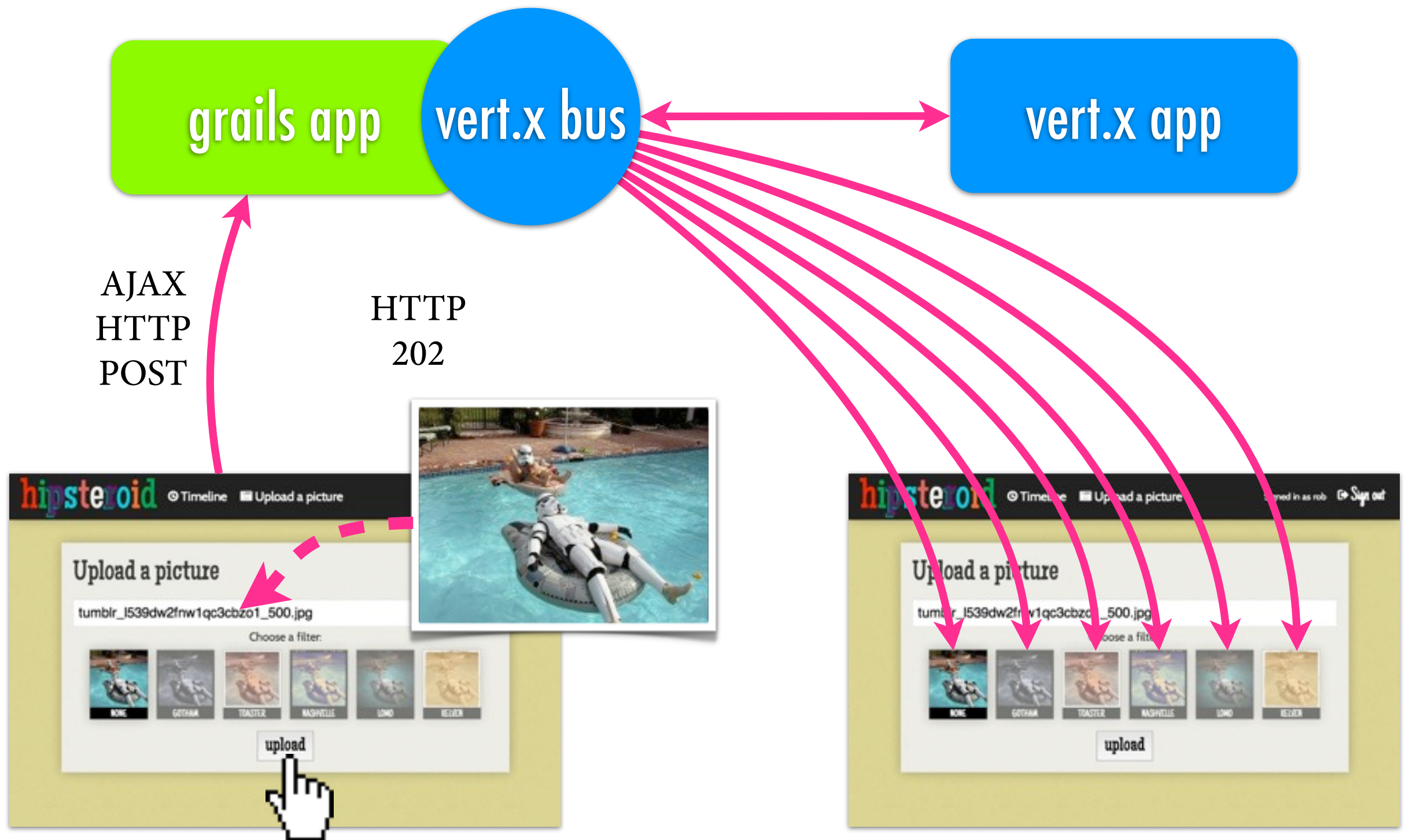
Push data



Offload expensive work



One request...n responses



Other options

- Atmosphere / Comet
- Grails events-push plugin
- Grails Servlet 3.0 support
- RabbitMQ
- Spring Integration & events-si plugin
- Reactor

Front-end tooling

A photograph of a cafe interior. In the foreground, a man with a beard and suspenders sits at a small round wooden table, working on a laptop. A white mug sits on the table. To his right, another man with a beard is reclining in a wooden chair, resting his head on his hands. In the background, a person in a dark shirt and light pants stands near a coffee machine. The wall features framed posters, including one that says 'The Coast BEST FOOD'. The floor is made of light-colored tiles.

'Not Invented Here' syndrome

“the philosophy of social, corporate, or institutional cultures that avoid using or buying already existing products, research, standards, or knowledge because of their external origins”

Wikipedia

Build & packaging tools



Brunch

brunch.io



gruntjs.com



livereload.com



YEOMAN

yeoman.io



Jam

jamjs.org



twitter.github.com/bower



incident57.com/codekit

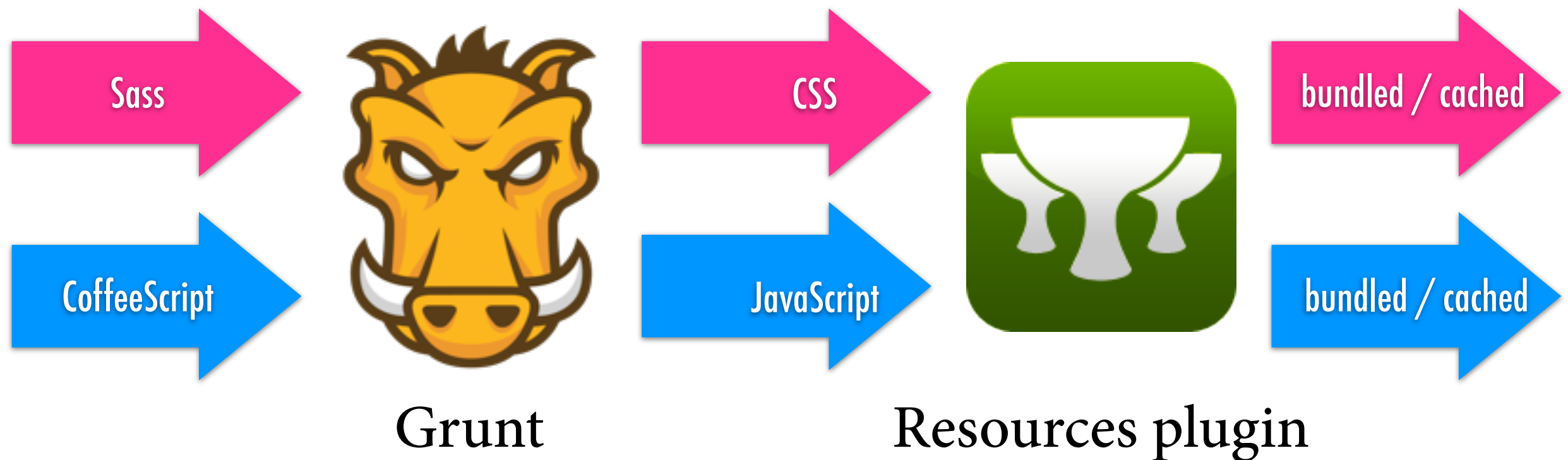


ender.jit.su

TL;DR - here's a list...

github.com/codylindley/frontend-tools

Integrating Grunt & Grails



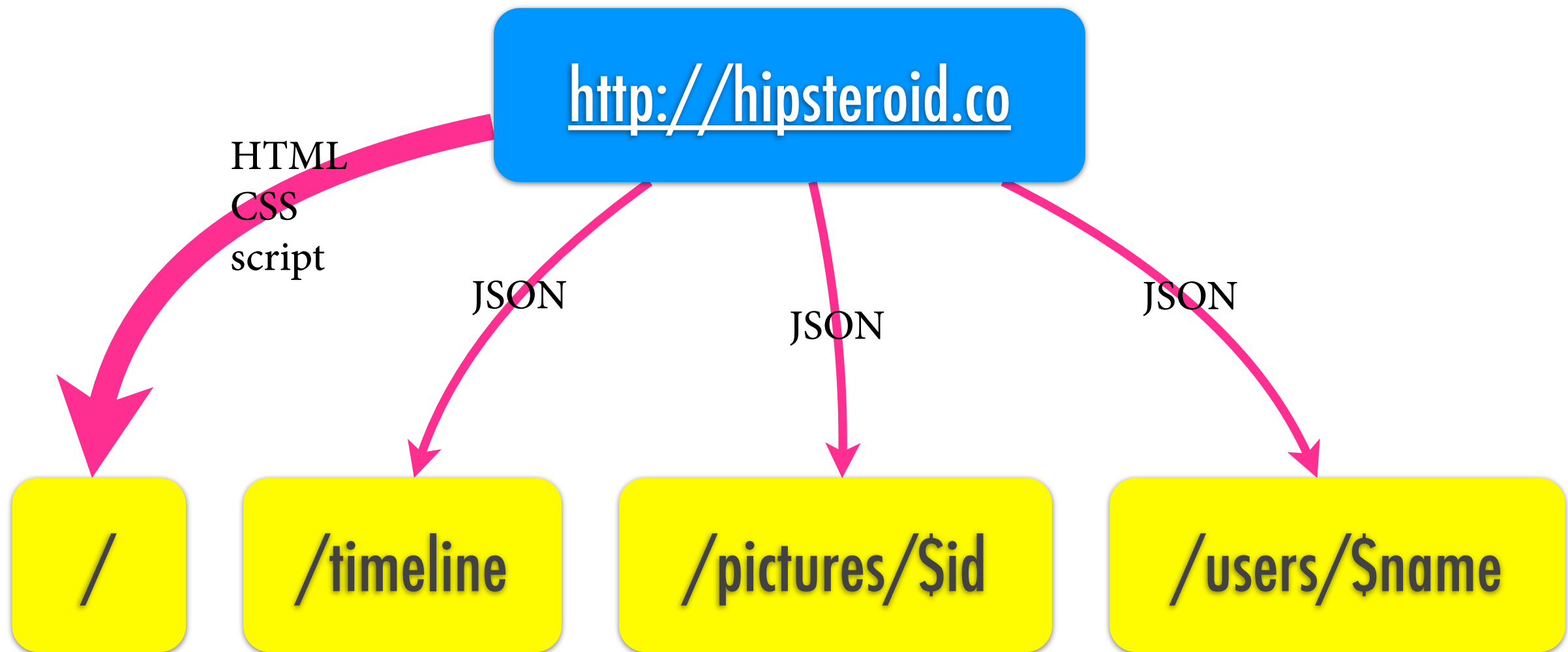


Testing

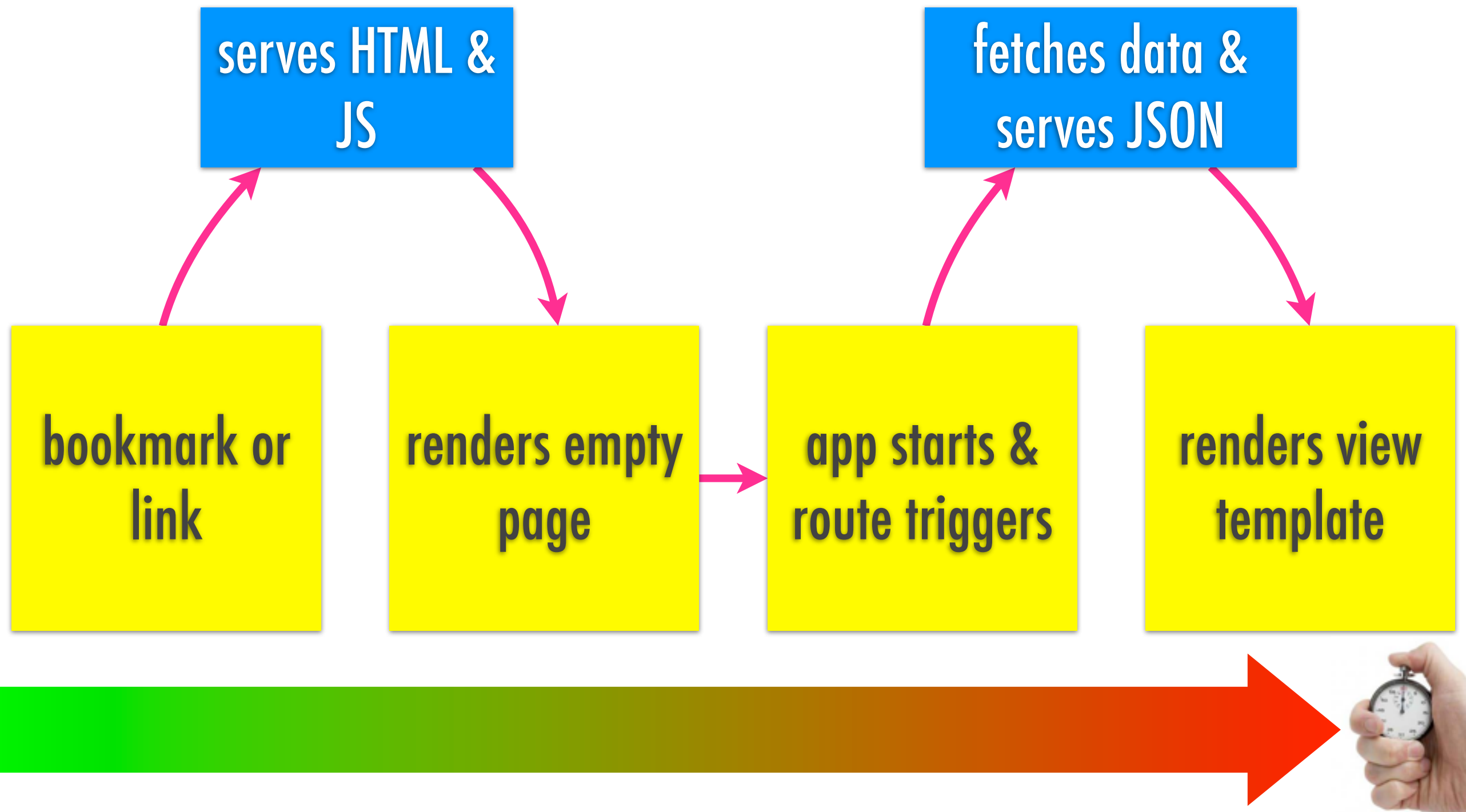
Dual-rendering



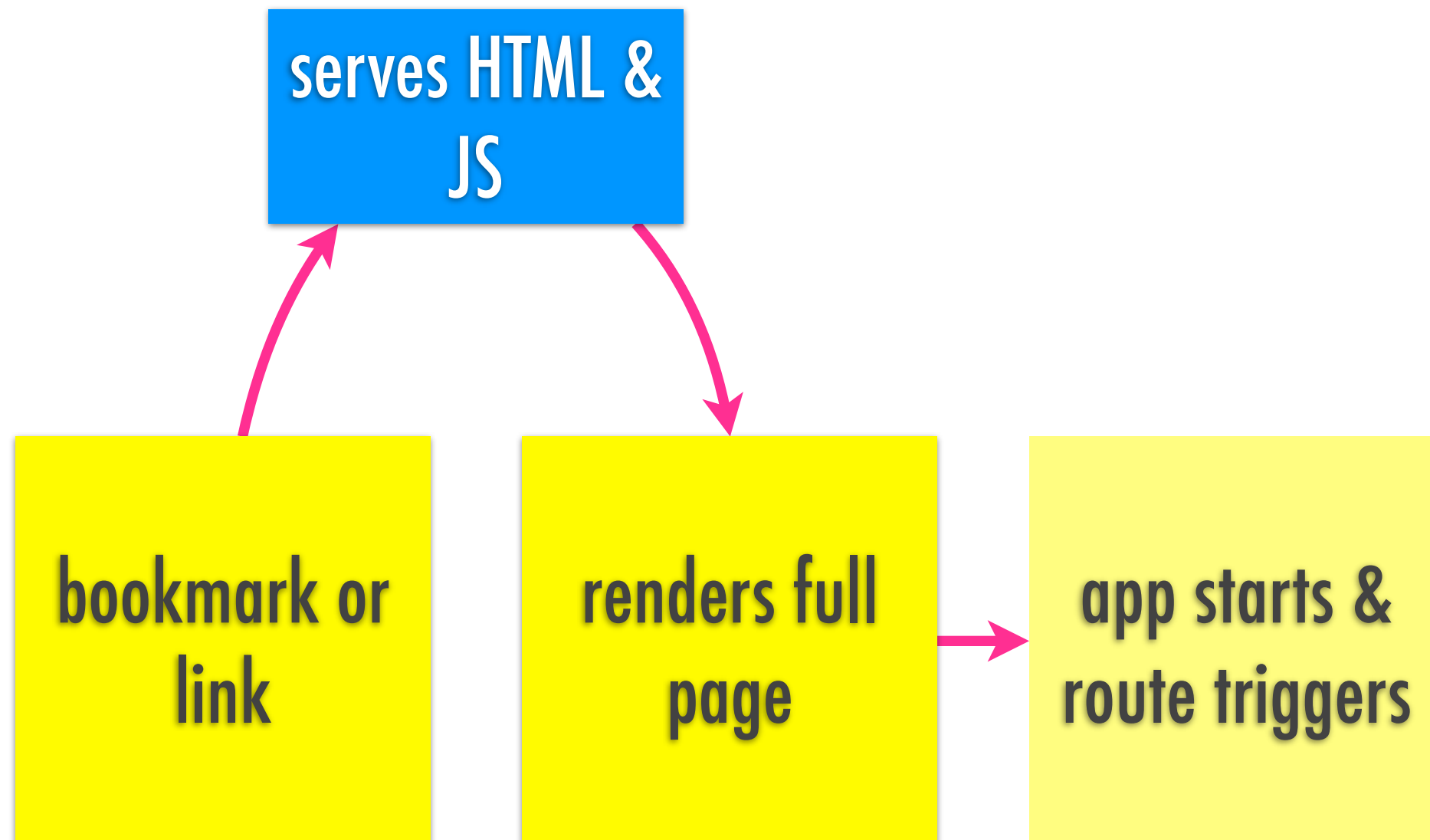
One page app navigation



Deep link: /pictures/\$id



...with dual rendering



Mirrored routing

UrlMappings.groovy

```
'/' {  
    controller = 'home'  
}  
  
'/timeline' {  
    controller = 'pictures'  
    action = 'list'  
}  
  
"/pictures/$id" {  
    controller = 'pictures'  
    action = 'show'  
}  
  
"/users/$name" {  
    controller = 'user'  
    action = 'show'  
}
```

hipsteroid-router.coffee

```
routes:  
  '/': 'home'  
  '/timeline': 'timeline'  
  '/pictures:id': 'picture'  
  '/users:name': 'profile'
```


The Handlebars plugin



github.com/davidtinker/grails-handlebars

Handlebars

timeline.handlebars

```
<h1>Timeline</h1>
<ul>
  {{#each .}}
    <li data-id="{{id}}">
      {{> picture}}
    </li>
  {{/each}}
</ul>
```

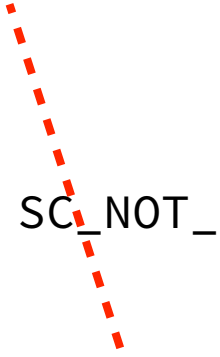
picture.handlebars

```
<figure>
  
  <figcaption>
    <p>Uploaded {{friendlyTime dateCreated}} by {{uploadedBy.username}}</p>
    {{#currentUser uploadedBy}}
      <button type="button" class="delete" title="Delete">Delete</button>
    {{/currentUser}}
  </figcaption>
</figure>
```

Template re-use

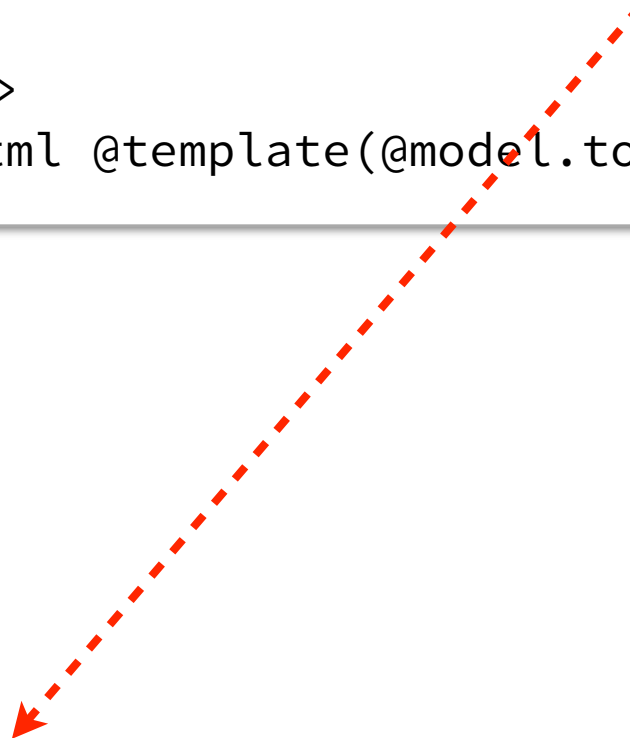
PicturesController.groovy

```
def show(String id) {  
    def picture = Picture.get(id)  
    if (picture) {  
        render text: handlebars.render(  
            template: 'picture',  
            model: picture  
        )  
    } else {  
        response.sendError SC_NOT_FOUND  
    }  
}
```



picture-view.coffee

```
class PictureView extends Backbone.View  
  
    template: Handlebars.templates.picture  
  
    render: =>  
        @$el.html @template(@model.toJSON())
```



web-app/templates/picture.handlebars

A person wearing a red and black plaid shirt and black shorts is riding a black bicycle on a paved road. They have a large black backpack on their back. The background shows a grassy area, a stone monument, and some trees. The word "Thanks" is written in large black letters across the top of the image.

Thanks

git.io/hipsteroid

[@rfletcherEW](#)

energizedwork.com

blog.freeside.co

[@hipsterdevstack](#)

hipsterdevstack.tumblr.com