

# Erick Petrucelli



**Tecnólogo** em Processamento de Dados **MBA** em Gestão de Tecnologia da Informação **Mestre** em Engenharia de Produção







**20 anos** em desenvolvimento Web Adepto de *full-stack* JavaScript desde 2012 Adepto do **Vue** desde 2015 (v. 0.12.11) **Community Partner** pelo **br.vuejs.org** 

# Então, por que este assunto?

"Teria sido melhor ir ver o filme do Pelé"?

(Chaves, 1979)





∇2.0.0
 156cfb9
 156cfb9

#### v2.0.0 Ghost in the Shell

yyx990803 released this on 30 Sep 2016 · 1460 commits to dev since this release





The Vue Point







5

Vue 2.0 supports server-side rendering (SSR) with <u>streaming</u> and <u>component-level caching</u>, making it possible to achieve blazing fast renders. In addition, *vue-router* and *vuex* 2.0 are designed to support SSR with universal routing and client-side state hydration. See it all working together in the <u>vue-hackernews-2.0</u> demo app.

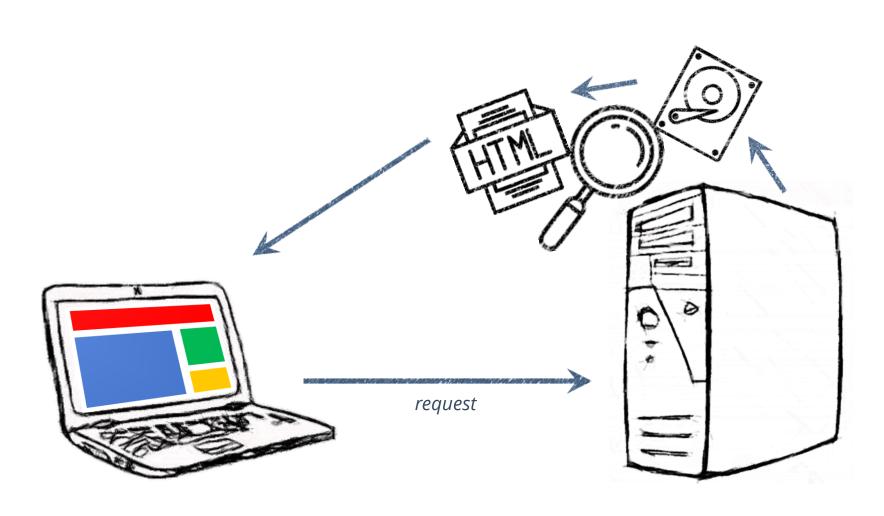
# O que é Server-Side Rendering?

# HTML completo, gerado pelo servidor

desde a primeira requisição

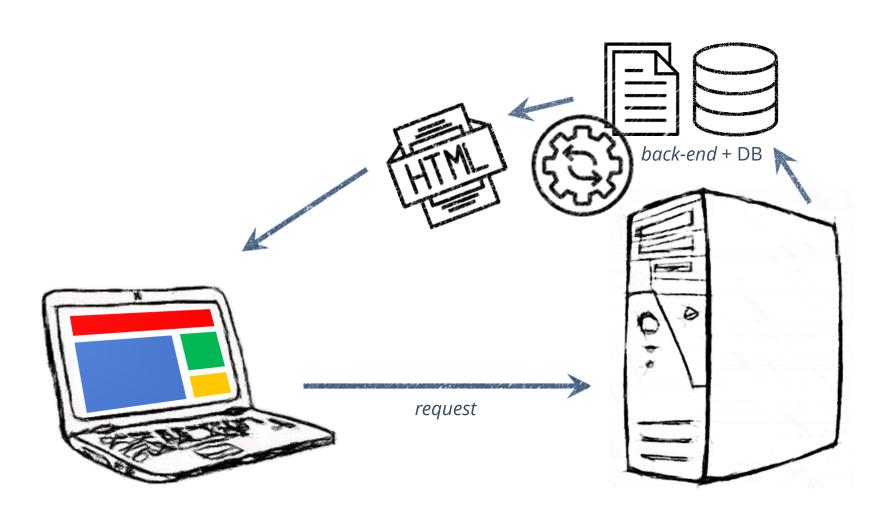
#### No início da Web

arquivos estáticos



### Então chegou o SSR

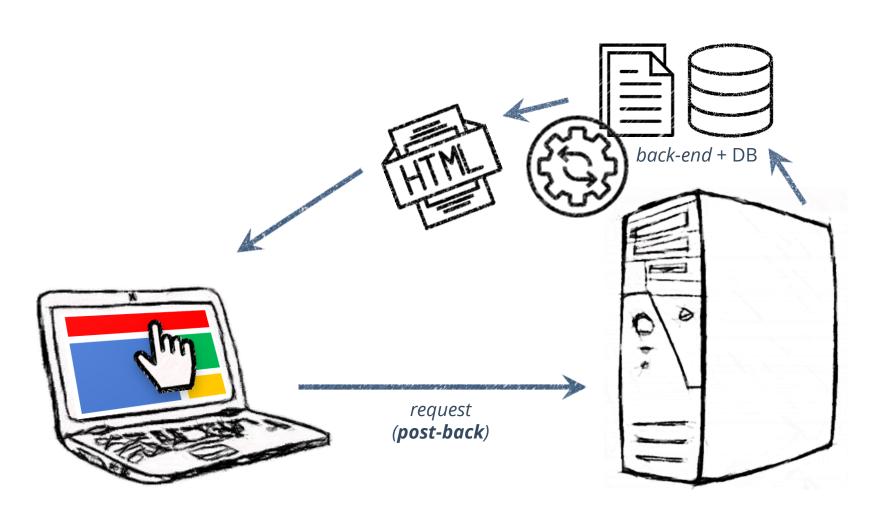
Common Gateway Interface no servidor





### SSR sem Ajax...

tudo se repete a cada requisição



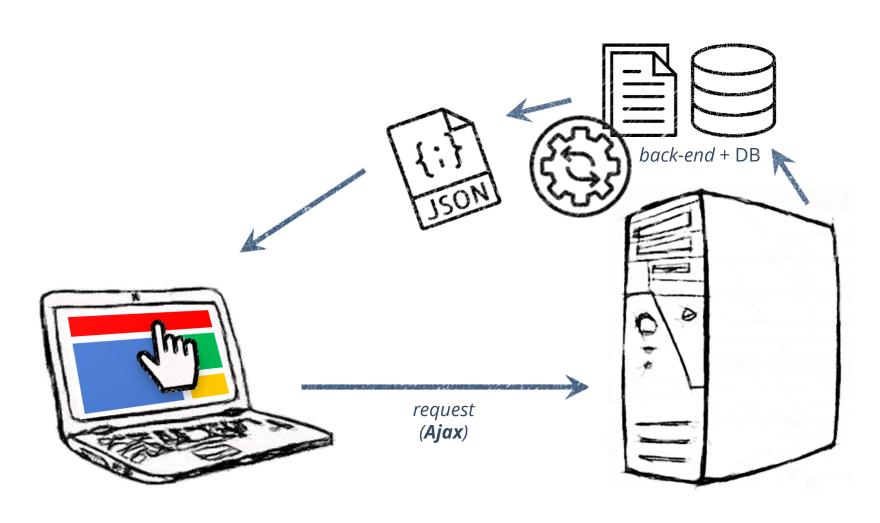
Experiência entediante!

Precisava melhorar...



## Aí veio o Ajax

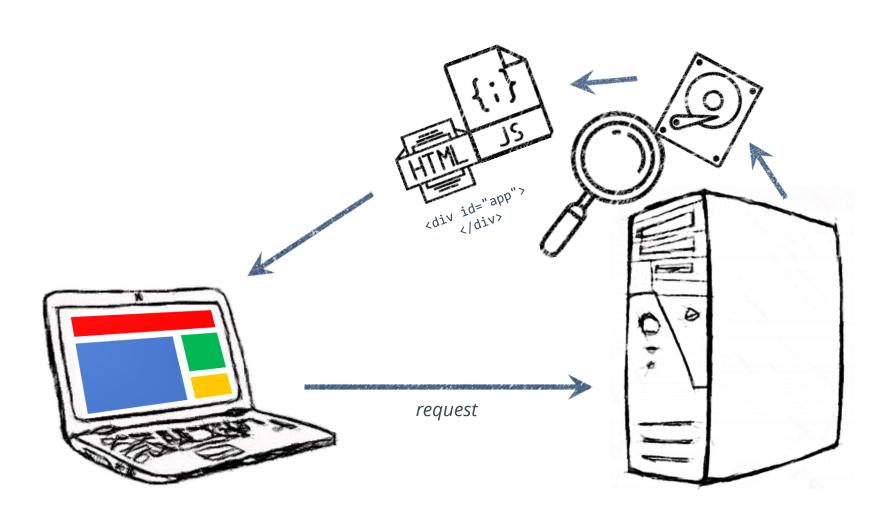
empoderando JavaScript para os *post-backs* 





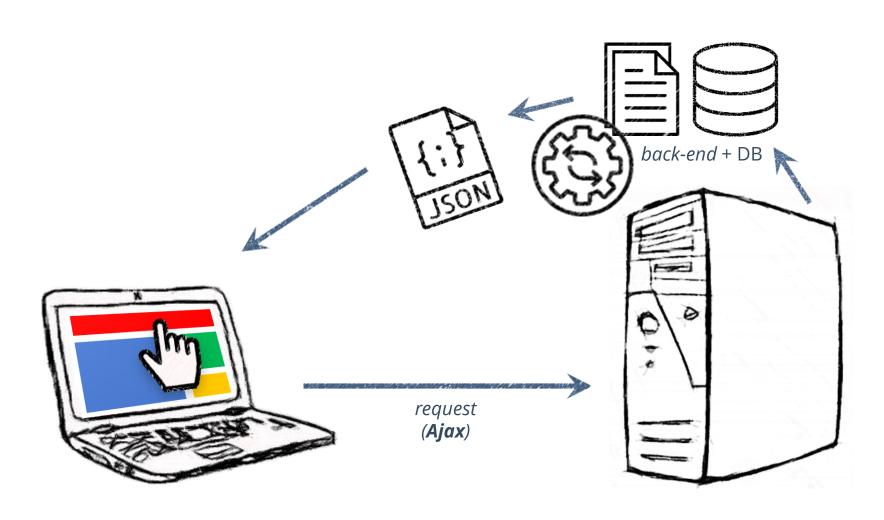
## Single-Page Apps

com HTML mínimo, renderizando no cliente



## Single-Page Apps

com HTML mínimo, renderizando no cliente



# Para que Server-Side Rendering?



## SEO e Mídias Sociais

Crawlers verão diretamente a página, completamente renderizada



# Redução de Tráfego

Servidor entrega um HTML completo, reduzindo waterfall requests



# Segurança

Um servidor pode reduzir ataques XSS através de CSP headers e http only cookies



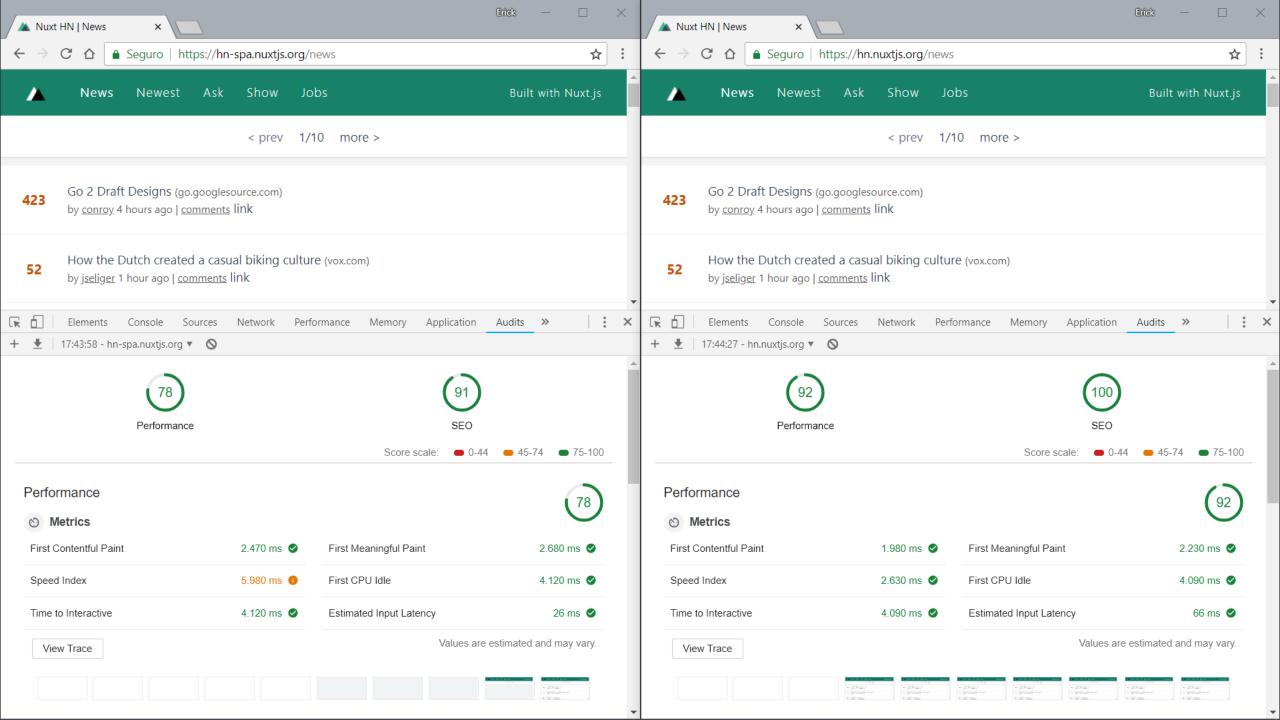
# User Experience

Usuários veem o conteúdo rapidamente, antes de pensar em interagir



## Time-to-Content

Navegadores podem renderizar o HTML sem ter de esperar todos os *scripts* 



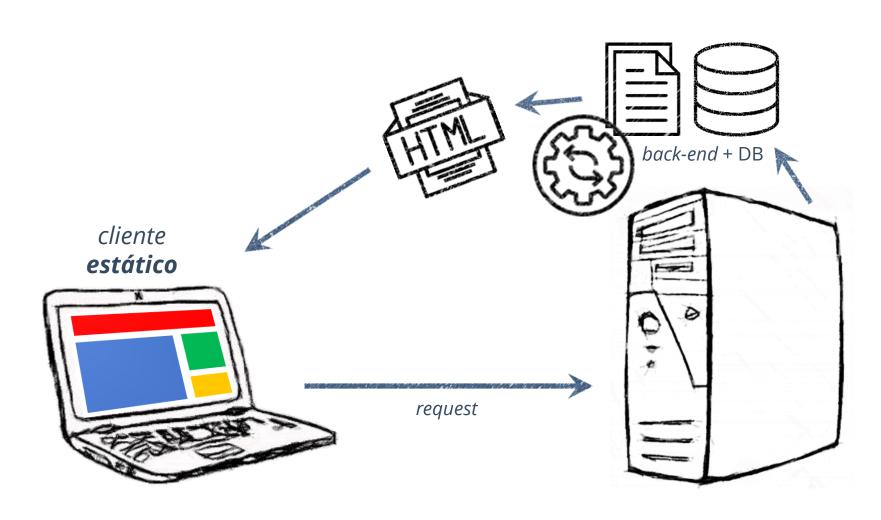
Quero SSR, mas adoro os recursos do meu SPA...

Como escolher?



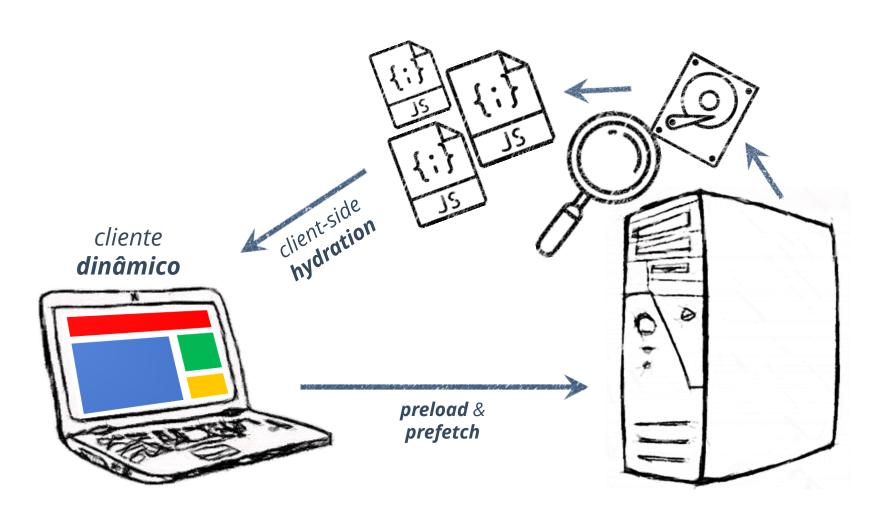
## Universal Apps

unificando as abordagens SSR e SPA



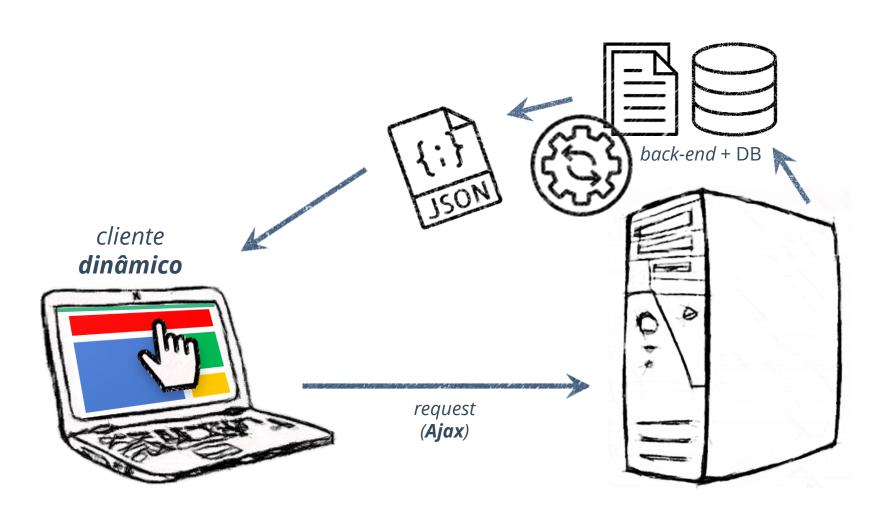
#### Universal Apps

unificando as abordagens SSR e SPA



### Universal Apps

unificando as abordagens SSR e SPA





## Mão na Massa!

github.com/ErickPetru/vue-summit-ssr





Languages v

**API Reference** 







🖰 Vue SSR Guide | Vue.js Se 🗴



C △ Seguro https://ssr.vuejs.org

#### ☆

GitHub ☐

#### **Vue SSR Guide**

#### Introduction

What is Server-Side Rendering (SSR)?

Why SSR?

SSR vs Prerendering

About This Guide

**Getting Started** 

Writing Universal Code

Source Code Structure

Routing and Code-Splitting

Data Pre-Fetching and State

Client Side Hydration

Introducing Bundle Renderer

**Build Configuration** 

**CSS Management** 

**Head Management** 

Caching

Streaming

Usage in non-Node.js Environments

#### Vue.js Server-Side Rendering Guide

#### NOTE

This guide requires the following minimum versions of Vue and supporting libraries:

Q

- vue & vue-server-renderer 2.3.0+
- vue-router 2.5.0+
- vue-loader 12.0.0+ & vue-style-loader 3.0.0+

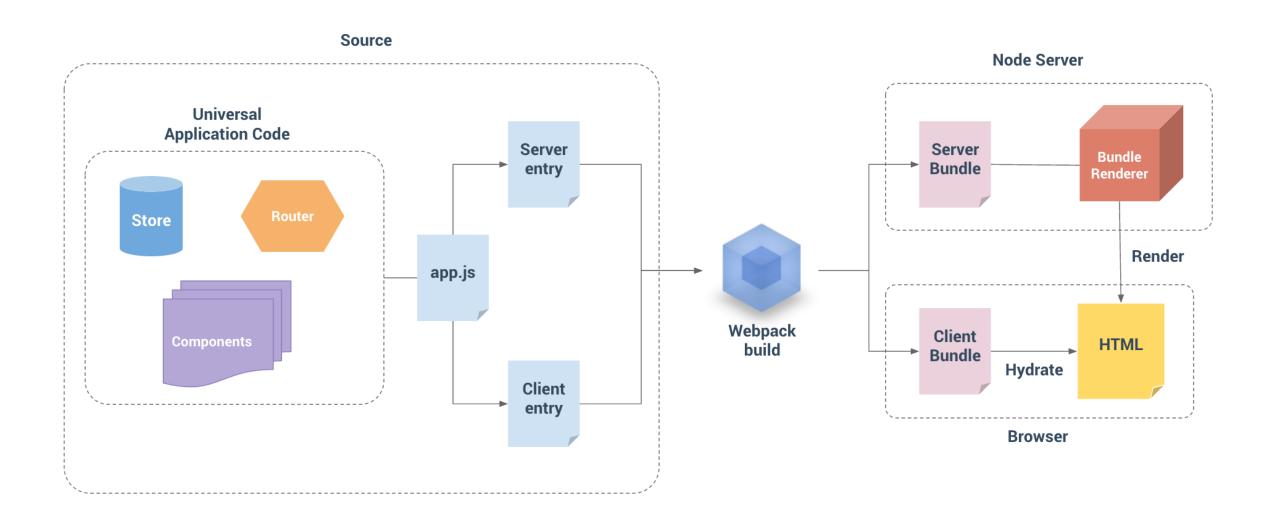
If you have previously used Vue 2.2 with SSR, you will notice that the recommended code structure is now a bit different (with the new runInNewContext option set to false ). Your existing app should continue to work, but it's recommended to migrate to the new recommendations.

#### What is Server-Side Rendering (SSR)?

Vue.js is a framework for building client-side applications. By default, Vue components produce and manipulate DOM in the browser as output. However, it is also possible to render the same components into HTML strings on the server, send them directly to the browser, and finally "hydrate" the static markup into a fully interactive app on the client.

A server-rendered Vue.js app can also be considered "isomorphic" or "universal", in the sense that the majority of your app's code runs on both the server and the client.

#### Arquitetura com Webpack







#### Universal Vue.js Applications

GET STARTED

GITHUB (V1.4.2)



#### Ainda este mês!

# Nuxt 2: o que esperar?

Muitos *bugs* resolvidos
Migração para Webpack 4
Suporte total a ES Modules
Separação entre *runtime* e *bundler*CLI com nova experiência
Muito mais rápido!

## Reflexões Finais



# Dúvidas?



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