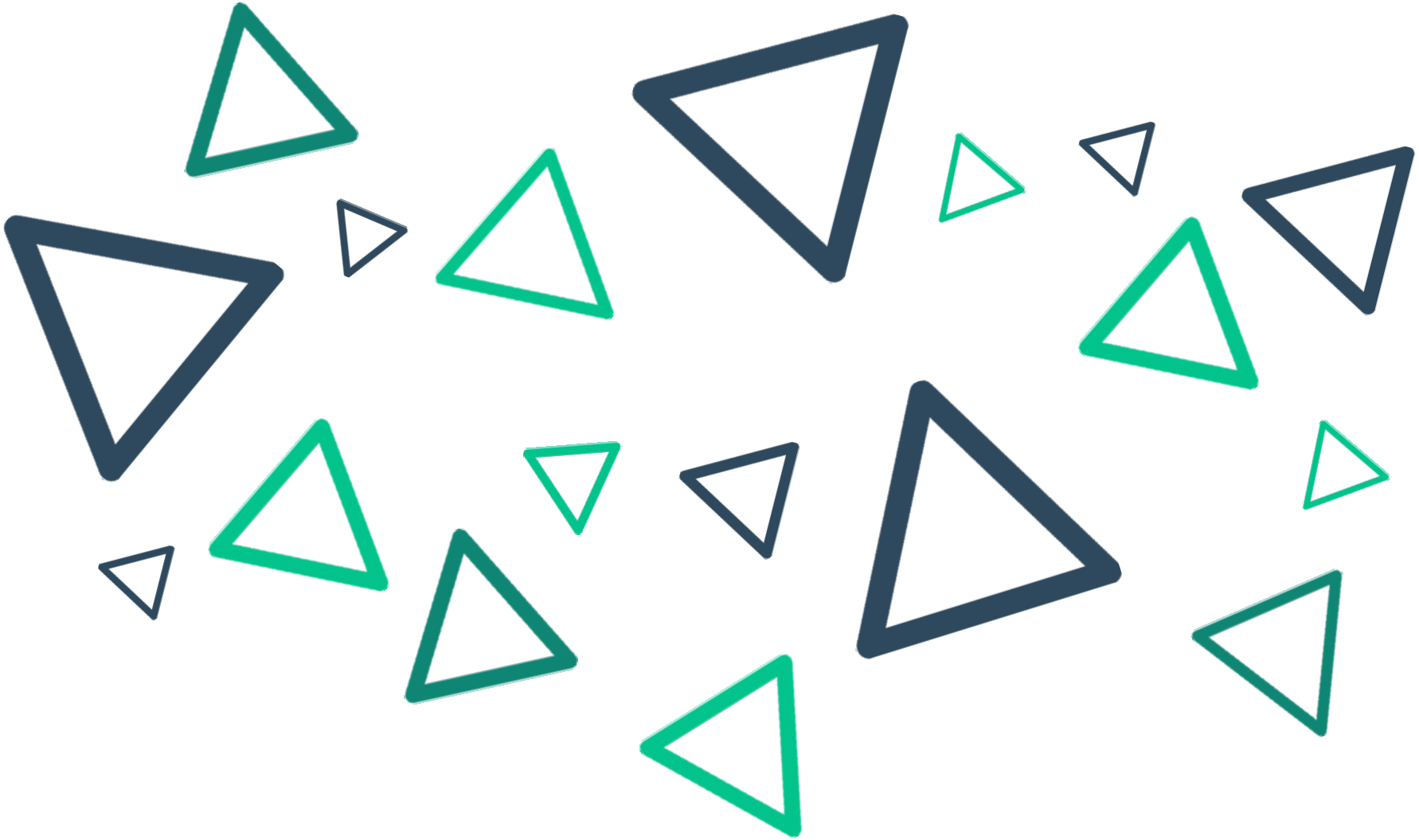

Static sites === great performance

NUXTJS

Debbie O’Brien

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@Nuxt Team Member

Contributor @webpack

Writer @Ultimate Courses

Teacher @Vue School

Organiser @MallorcaJS, Vue Spain

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<MDE>

Experts 2019
Web Technologies GDE

MVP Microsoft® Most Valuable Professional

Get rid of the LAMP,

Get rid of the MEAN,

Let the JAM take over

What I will Cover

The new frontend

Static v's Dynamic

Case Study

Performance Tips

Useful Links

What has changed

Everything is pre-rendered at build time

No Execution at request time

Functionality client-side

It's all about the api's

Search Functionalities

Payments

Authentication

and so much more...

What we gain

Improves security

Improves performance

Better developer experience

Easy deployment

Definition of Static

Lacking in movement, action, or change, especially in an undesirable or uninteresting way

TaeKwonDo

Static

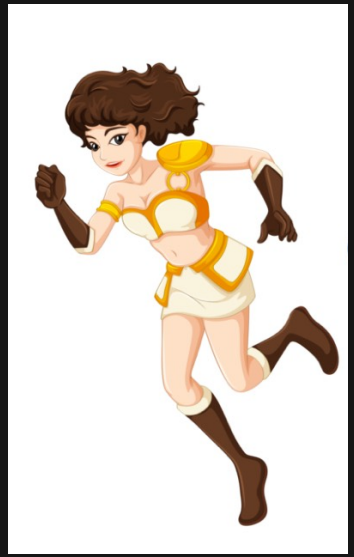
Dynamic

TaeKwonDo

Static is the new Dynamic

Static site > cdn > user

No Server needed



TaeKwonDo and Static Sites

Push and deploy

Increase confidence

Staging same as production

Deploy anywhere, anytime

Web hooks on content change

That's a lot of Generation

with Static Sites

Going Nuxt

Nuxt is not just a static site generator

Nuxt is a progressive Vue.js Framework

Benefits of Nuxt

"file-based" routing

Automatic Code splitting of routes

Prefetching

more than 50 modules

SSR, SPA or Static

SSR: mode: 'universal',

SPA: mode: 'spa',

Static Site: nuxt generate

Case Study

patterson.travel

BUILT WITH

Events: the finishing touches are our speciality

"Do not go where the path may lead, go instead where there is no path and leave a trail".

Ralph Waldo Emerson, American essayist, lecturer, philosopher, and poet.

for your business

Services

Corporate

MICE —

- Corporate Incentive Travel
- Congresses Organisation
- Events

Patterson Travel

5 Layouts

32 page components

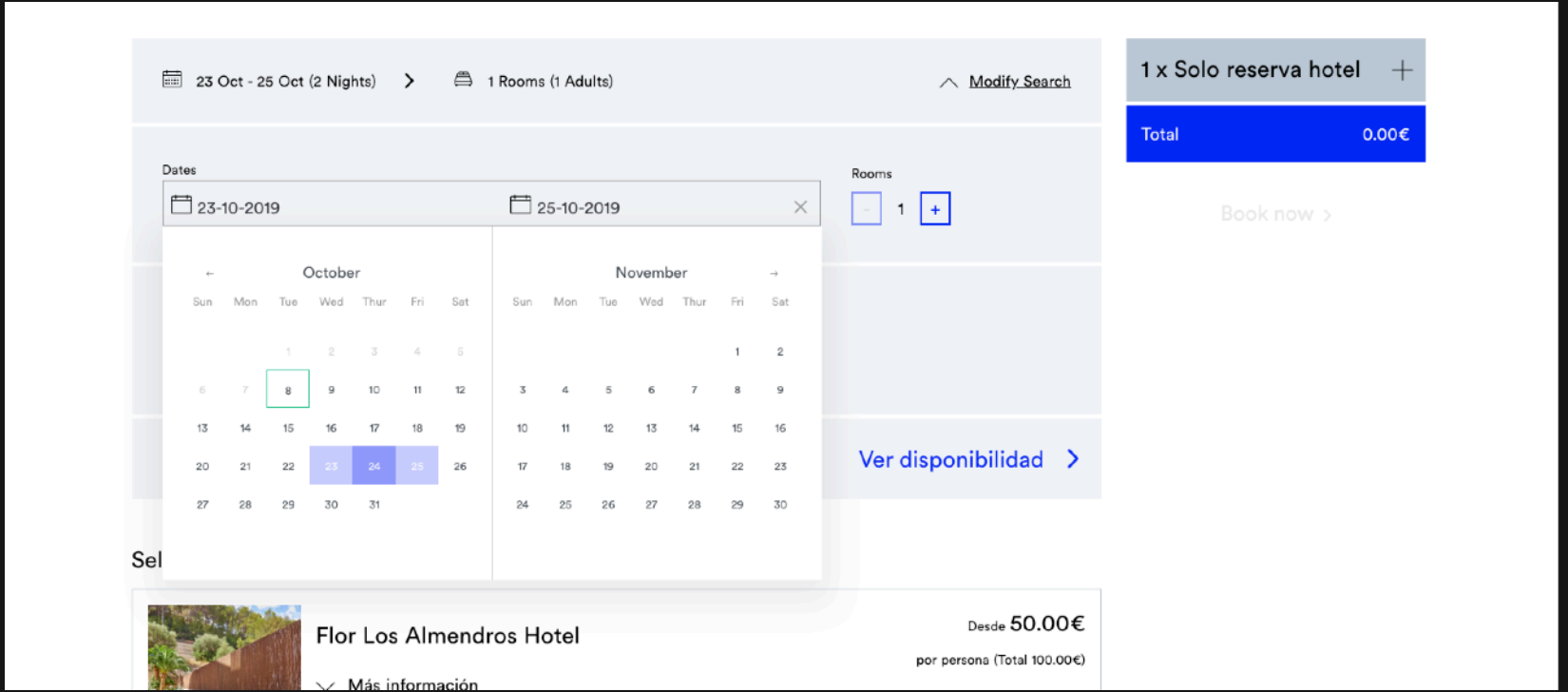
38 components

8 plugins

9 modules

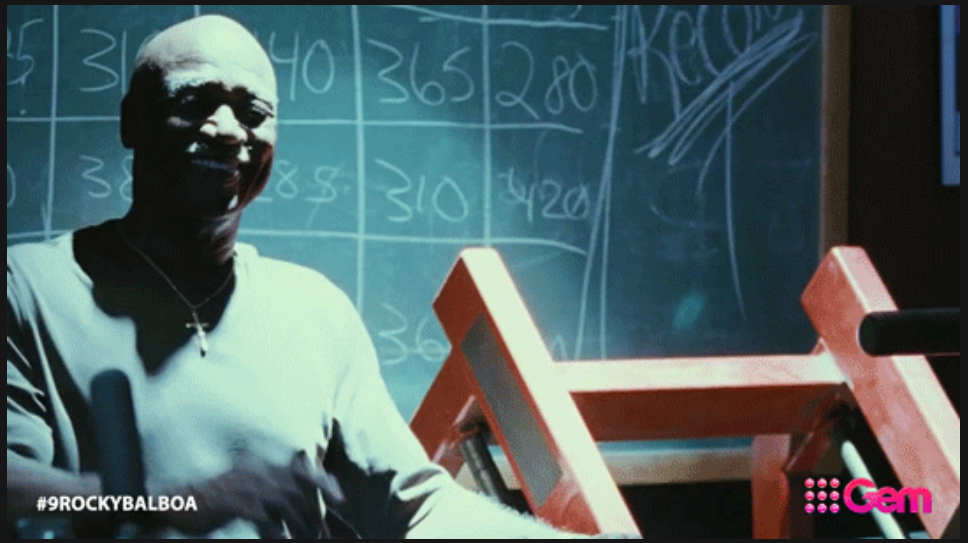
21 pages of docs

Booking Engine



Booking Engine === SPA

SPA inside a Static Site



SPA Fallback

```
generate: {
    fallback: true,
    exclude: [/booking/]
}
```

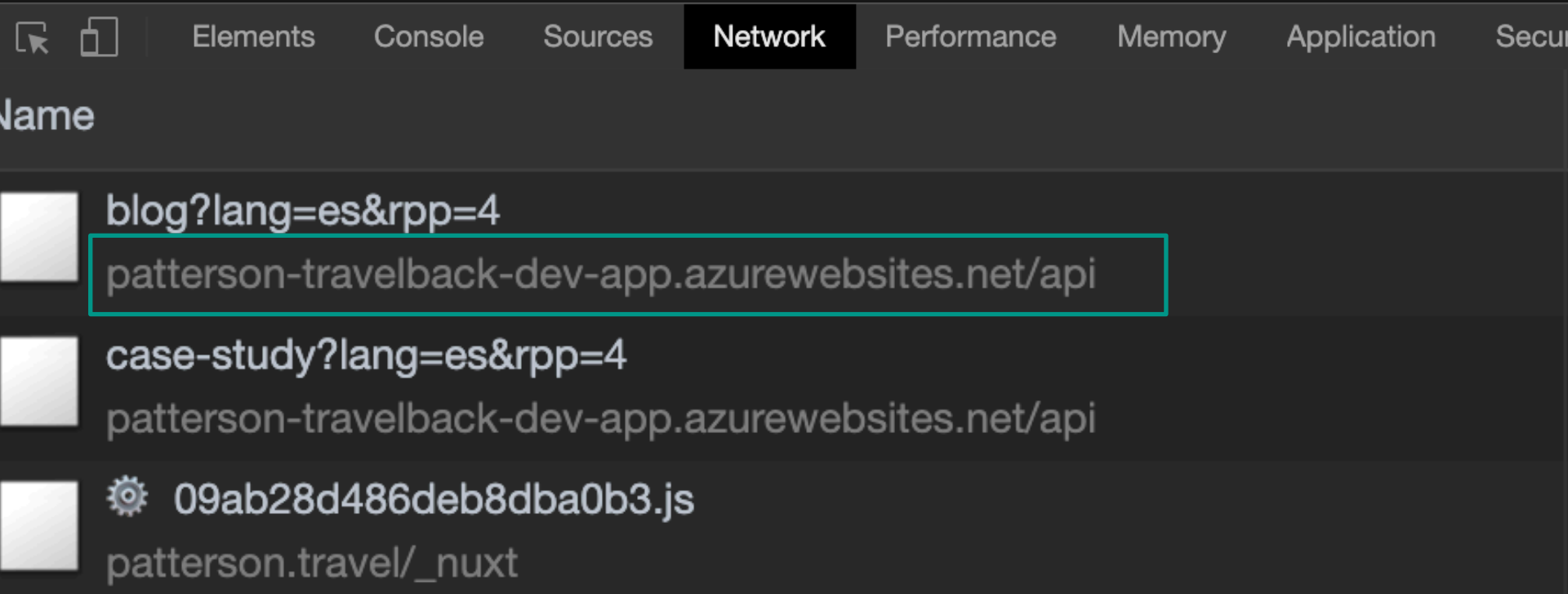
How it works

Site is pre rendered

Hydration Kicks in

content up to date - API calls on navigation

API call on navigation



I just want full static

What if I don't want to call the api every time i navigate to a page?

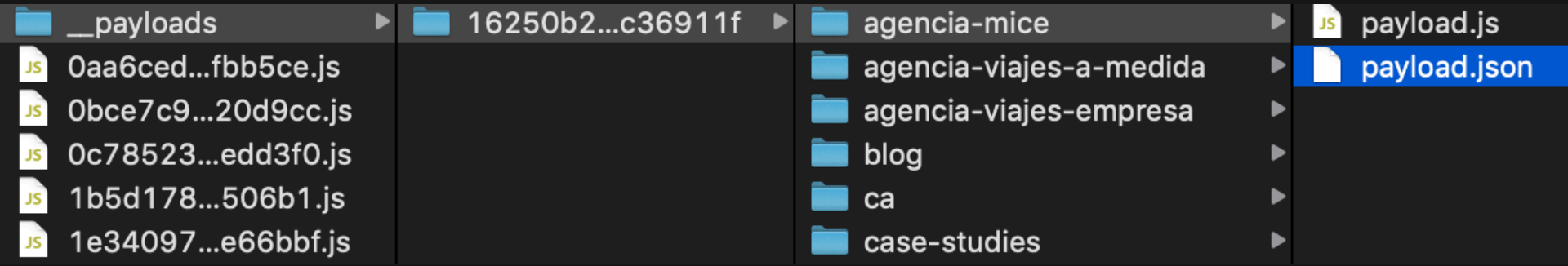
Full Static

One api call on build

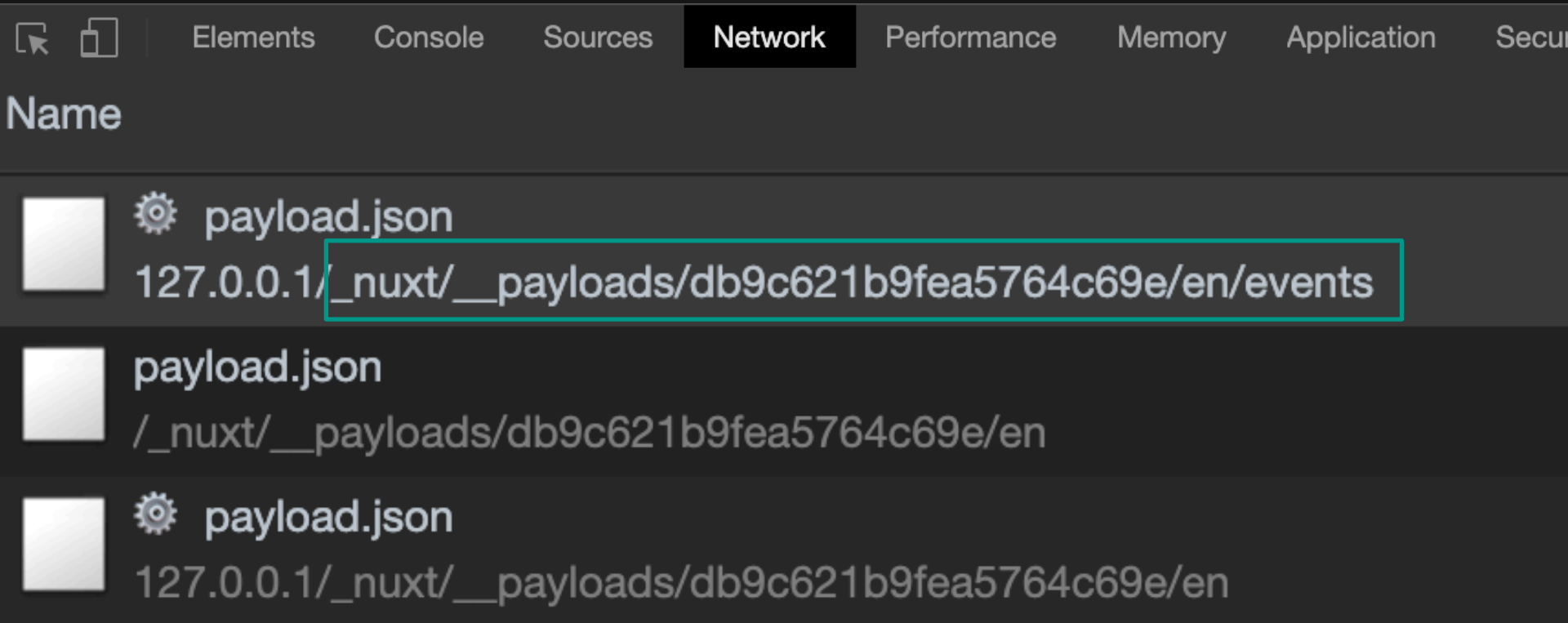
Call the payload on navigation instead of the api

static module

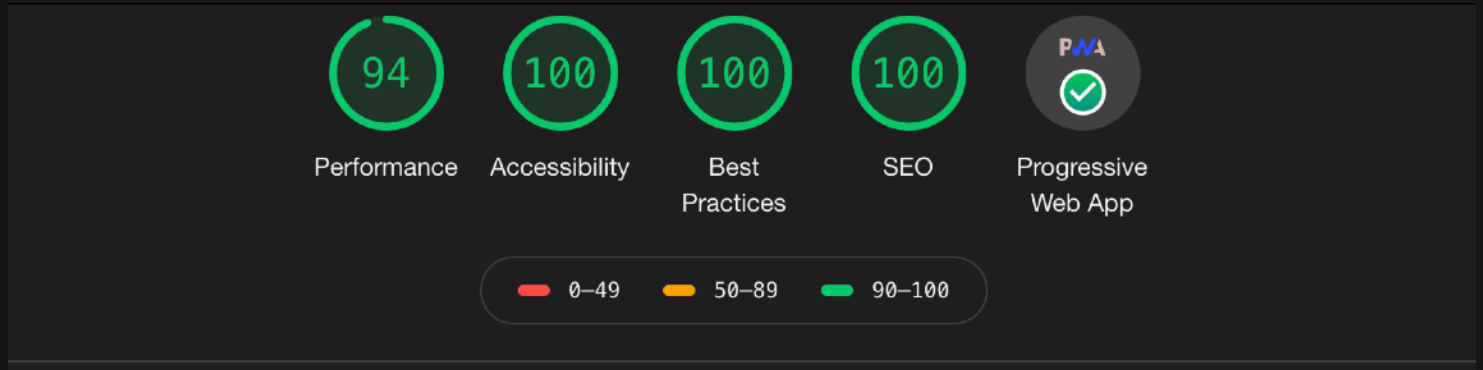
payload.json



Calling the payload



Static Sites === Great Performance



Accessibility

Semantic HTML

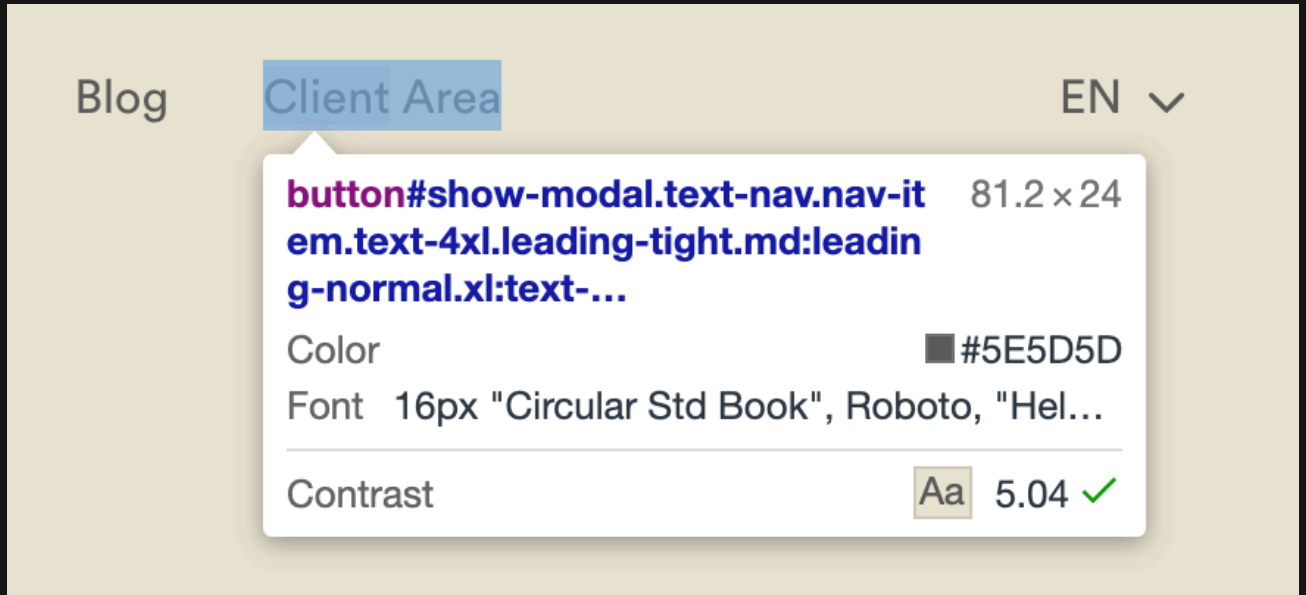
Labels for forms

Aria tags

Alt tags

Chrome dev tools for Accessibility

Color Contrasts



Auto optimise your images

```
<img src="https://res.cloudinary.com/idemo/image/upload/q_auto,f_auto/cloudinary"/>
```

Lazy Load your images

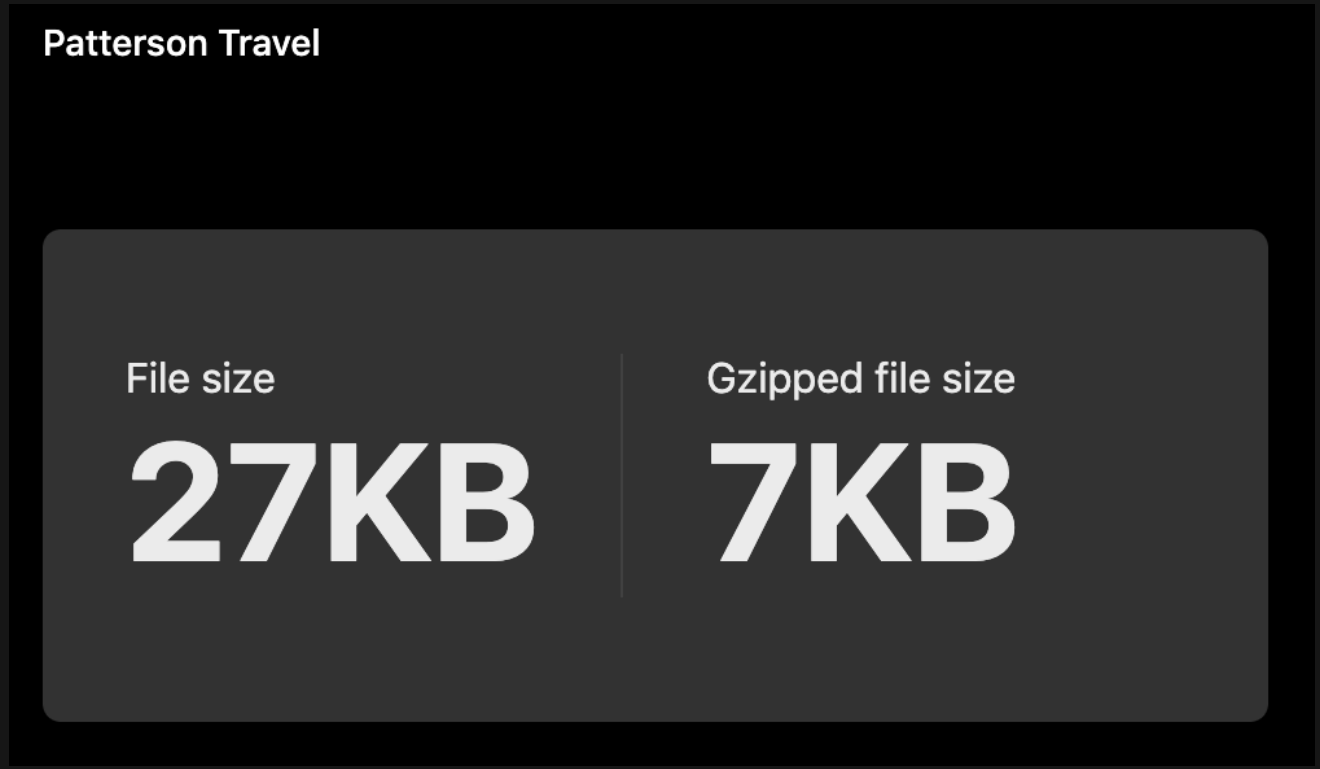
```
<img src="image.png" loading="lazy" alt="…" width="200" height="200">
<iframe src="https://example.com" loading="lazy"></iframe>
```

PWA

modules: [`@nuxtjs/pwa`]

Add the icon.png to the static folder

CSS Stats



modern mode

```
nuxt build --modern
```

```
✔ Client
  Compiled successfully in 20.98s

✔ Modern
  Compiled successfully in 15.90s

✔ Server
  Compiled successfully in 8.48s
```

Code split from the start

```
components: {
   TheFooter: () => import('@/
    components/the-footer')
}
```

Lazy load your translations

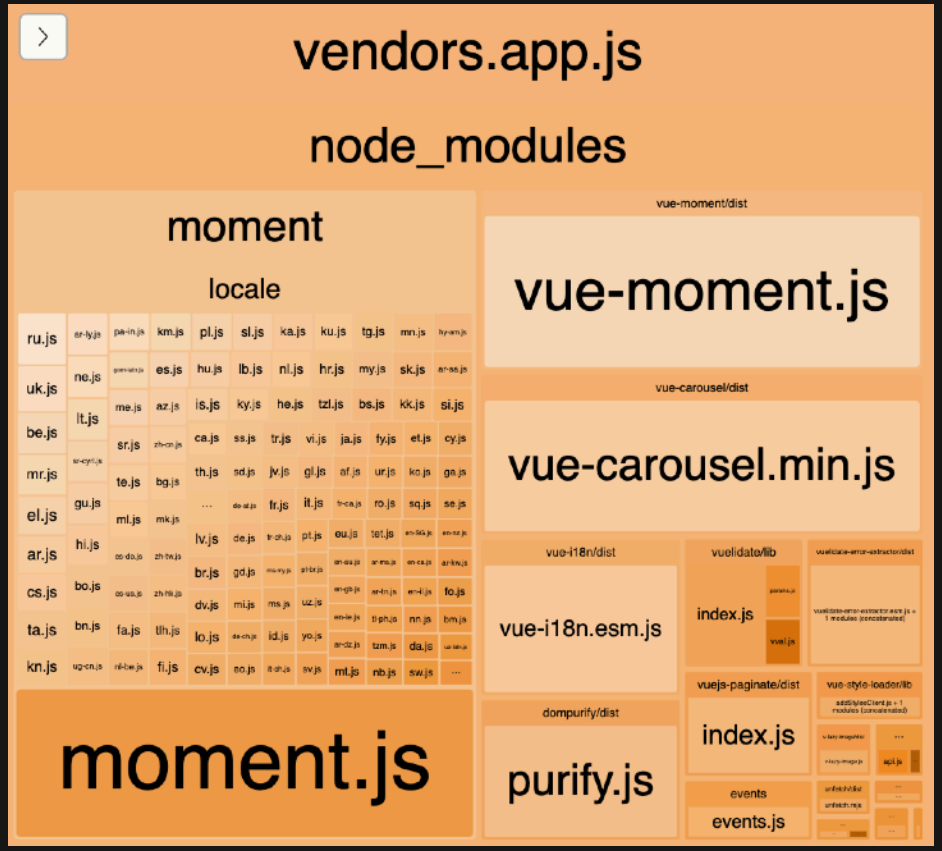
```
lazy: true
```

Tailwind + PurgeCSS

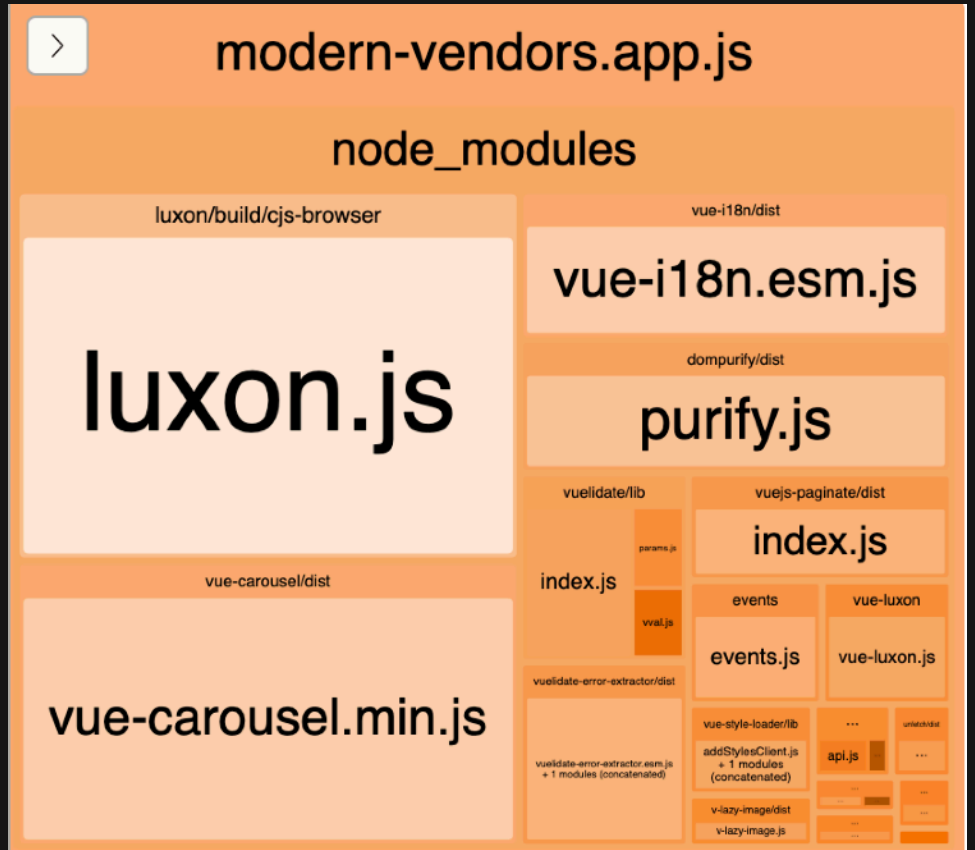
```
modules: ['@nuxtjs/tailwindcss']


purgeCSS: {
    mode: 'postcss',
    whitelistPatterns: [/datepicker/]
  }
```

webpack analyzer

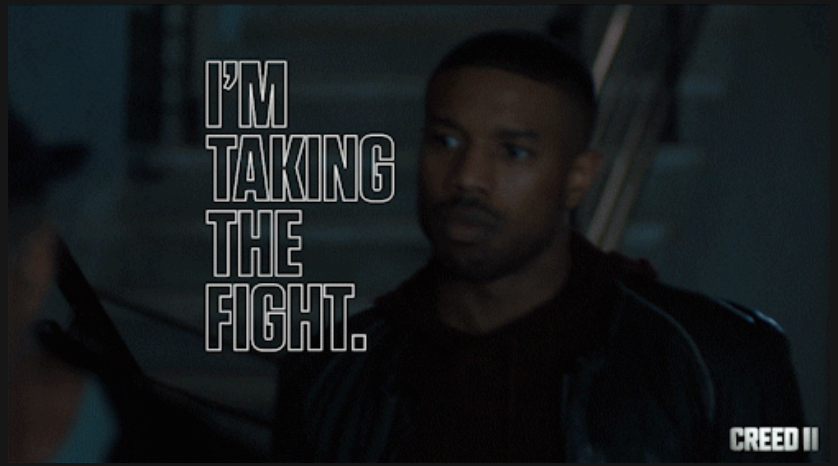


webpack analyzer



JAMstack - Do we need it?

Hell yeah!



Are you

NUXT ?

Thank you

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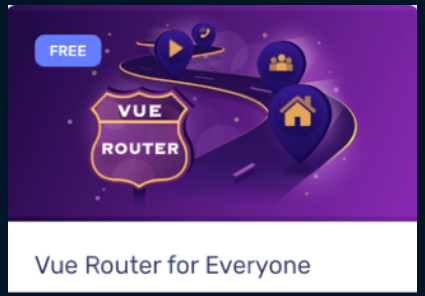
Frontend Tech Lead
Consultant
Open Source Contributor



Vue Router for Everyone

Internationalization with vue-i18n

https://github.com/debs-obrien/nuxt-boilerplate-project

POW

Useful Links

Nuxt Boilerplate

Awesome Nuxt

TailwindCSS

PurgeCSS

CSS Stats

Cloudinary

Lighthouse Audit

@debs_obrien