

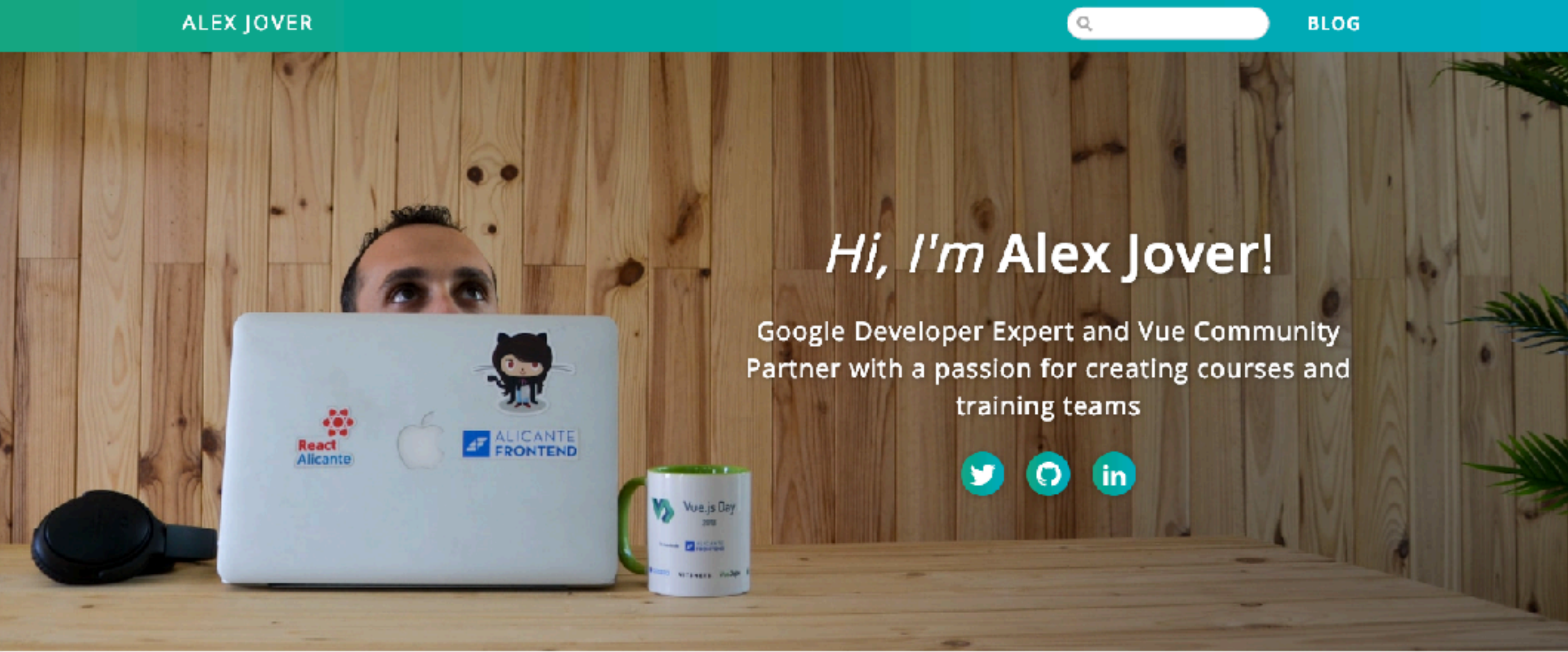
Intro to VuePress Next (1.x)

ULIVZ x 真山

蚂蚁金服微贷前端团队 · Vue.js Team

首先，我们来看一些来自社区的作品

Special thanks to @vicbergquist ❤️

A photograph of Alex Jover, a man with dark hair, looking over the top of a silver laptop. The laptop is on a wooden desk and has several stickers on its lid: a red React Alicante logo, an Apple logo, a GitHub Octocat, and a blue Alicante Frontend logo. To the right of the laptop is a white mug with a green handle and a Vue.js Day 2018 logo. The background is a light-colored wooden wall.

Hi, I'm Alex Jover!

Google Developer Expert and Vue Community Partner with a passion for creating courses and training teams



Welcome! I want to use this web to help you sharpen your skills on **JavaScript**, **Vue** and the **Web Platform**. I'm a fanatic of **Web Performance** and **Progressive Web Apps** with broad experience writing apps and training teams following these patterns.

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ARTICLES

[SEE THEM ALL](#)

1 year organising Alicante Frontend

Here are my insights about organising Alicante Frontend's meetup after a year.

My tips to be a happier developer

Learn a few tips to be a happier and better developer and be a better team player

Enhance Jest configuration with Module Aliases

Learn how to use Module Aliases Jest configuration to avoid using relative paths

<https://alexjover.com/>

<https://vuepress-portfolio.netlify.com/>



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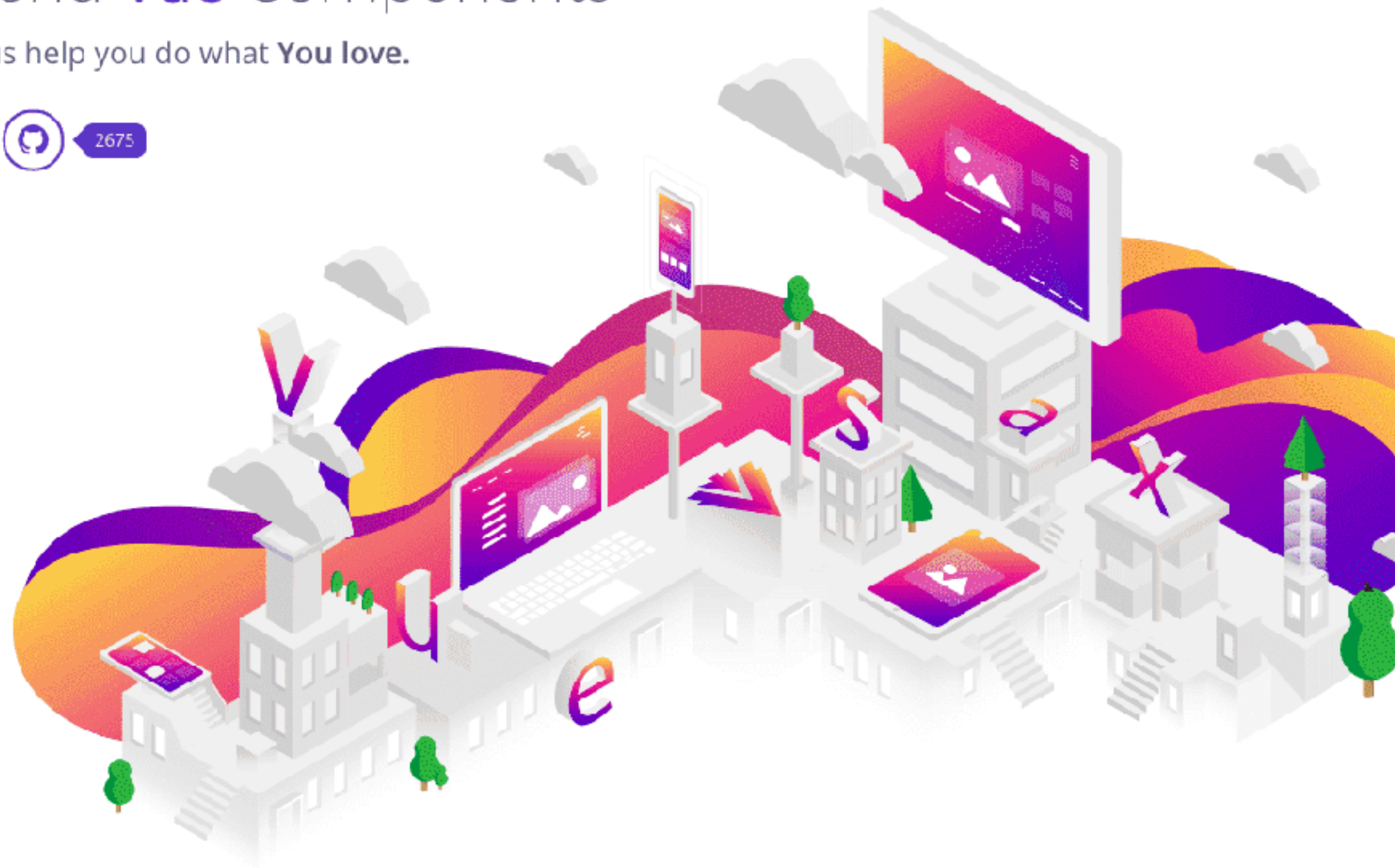
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<https://lusaxweb.github.io/vuesax>



HELLO, I'M AMIE, A UI DESIGNER & DEVELOPER.

Since 2010, I've helped several startups and companies to design and build their applications, including Twitch, Signal and many others. When I'm not on my computer, I like to draw trippy stuff and play boardgames.

<https://www.amie-chen.com/>

Current Projects

APP

Pretzel

A smart, simple desktop app that shows and searches keyboard shortcuts based on your currently focused app.

EXTENSION

Dribbble Color Generator

Generate a .sketchpalette file from any dribbble shot's color palette to be loaded in Sketch-Palette plugin.

SAAS

Stitches

Stitches is a HTML template generator with functional CSS.

EXTENSION

Yoink

Simple bulk select words in any webpage.

想查看更多的案例

vuepress.gallery

awesome-vuepress

1

什么是 VuePress

静态
生成

默认
主题

布局
系统

「在 Markdown 中使用 Vue」

简单的主题系统

「入口只能是一个 SFC」

VuePress 0.x

静态网站 生成器

布局
系统

内部
插件

外部
插件

插件系统

默认
主题

博客
主题

主题系统

VuePress 1.x

<https://v1.vuepress.vuejs.org/zh/miscellaneous/design-concepts.html>

2

快速上手

create-vuepress


```
$ yarn create vuepress
```

```
? Select the boilerplate type (Use arrow keys)
```

```
> docs          - Create a documentation project with VuePress  
  blog          - Create a blog with VuePress.
```

```
? Select the boilerplate type docs
```

```
? What's the name of your project? my-docs
```

```
? What's the description of your project? My Docs
```

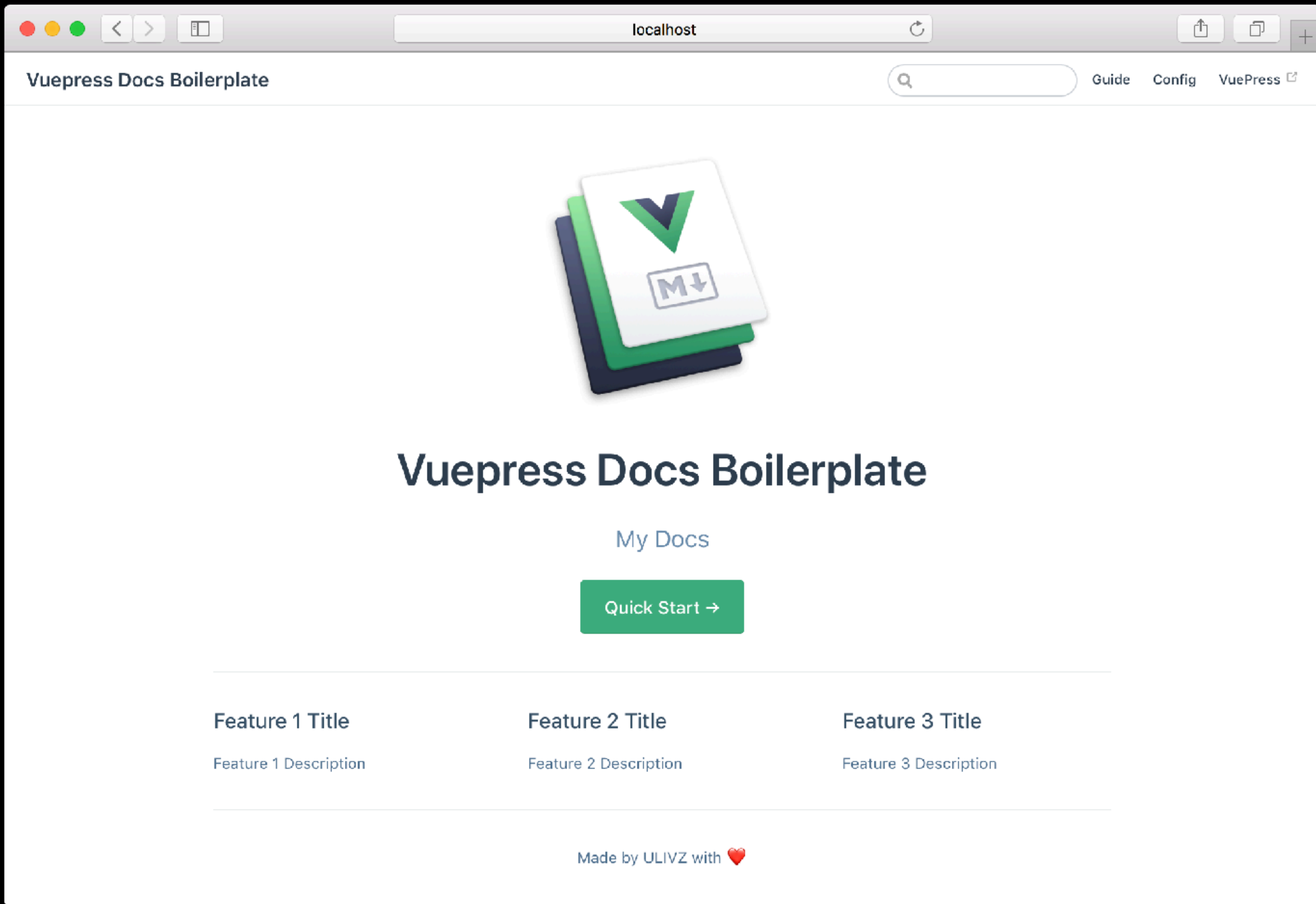
```
? What's your email? chl814@foxmail.com
```

```
? What's your name? ULIVZ
```

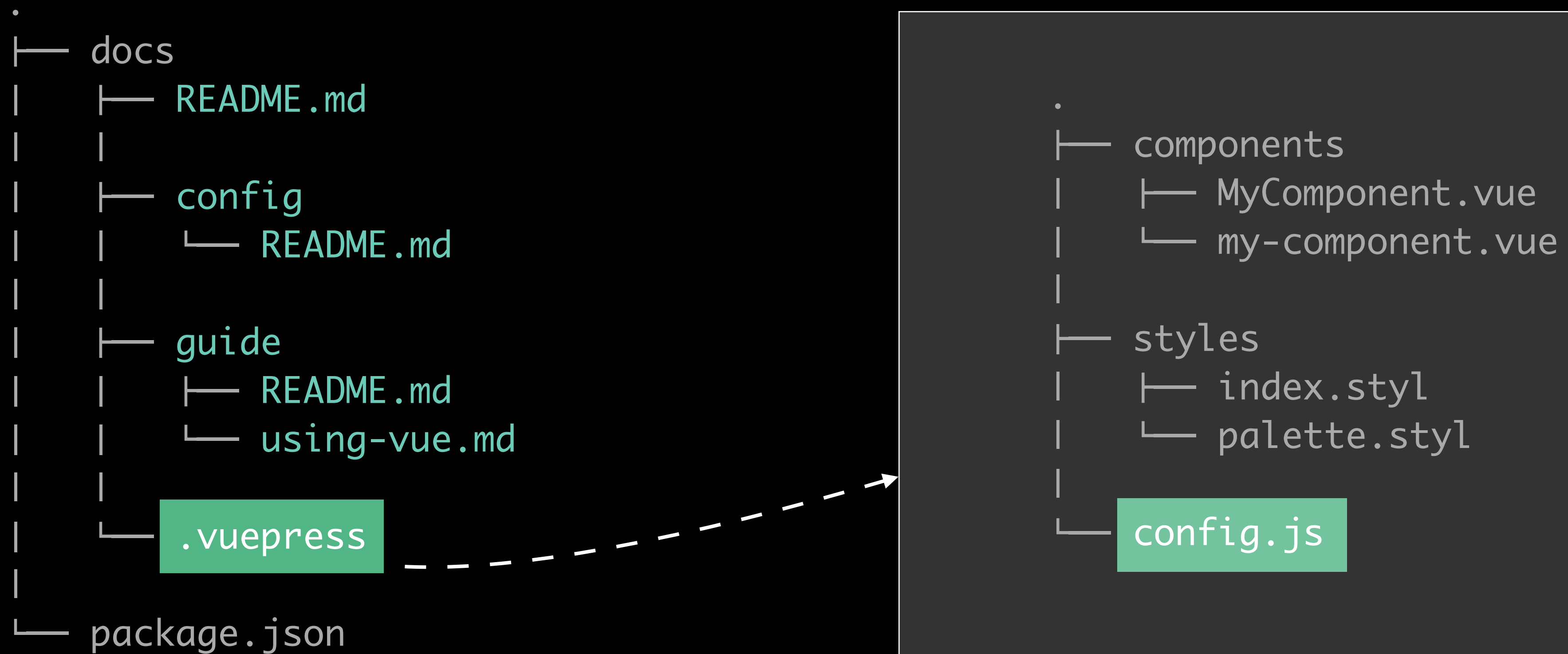
```
? What's the repo of your project. https://github.com/ulivz/docs
```

```
$ yarn && yarn dev
```

```
> VuePress dev server listening at http://localhost:8080/
```

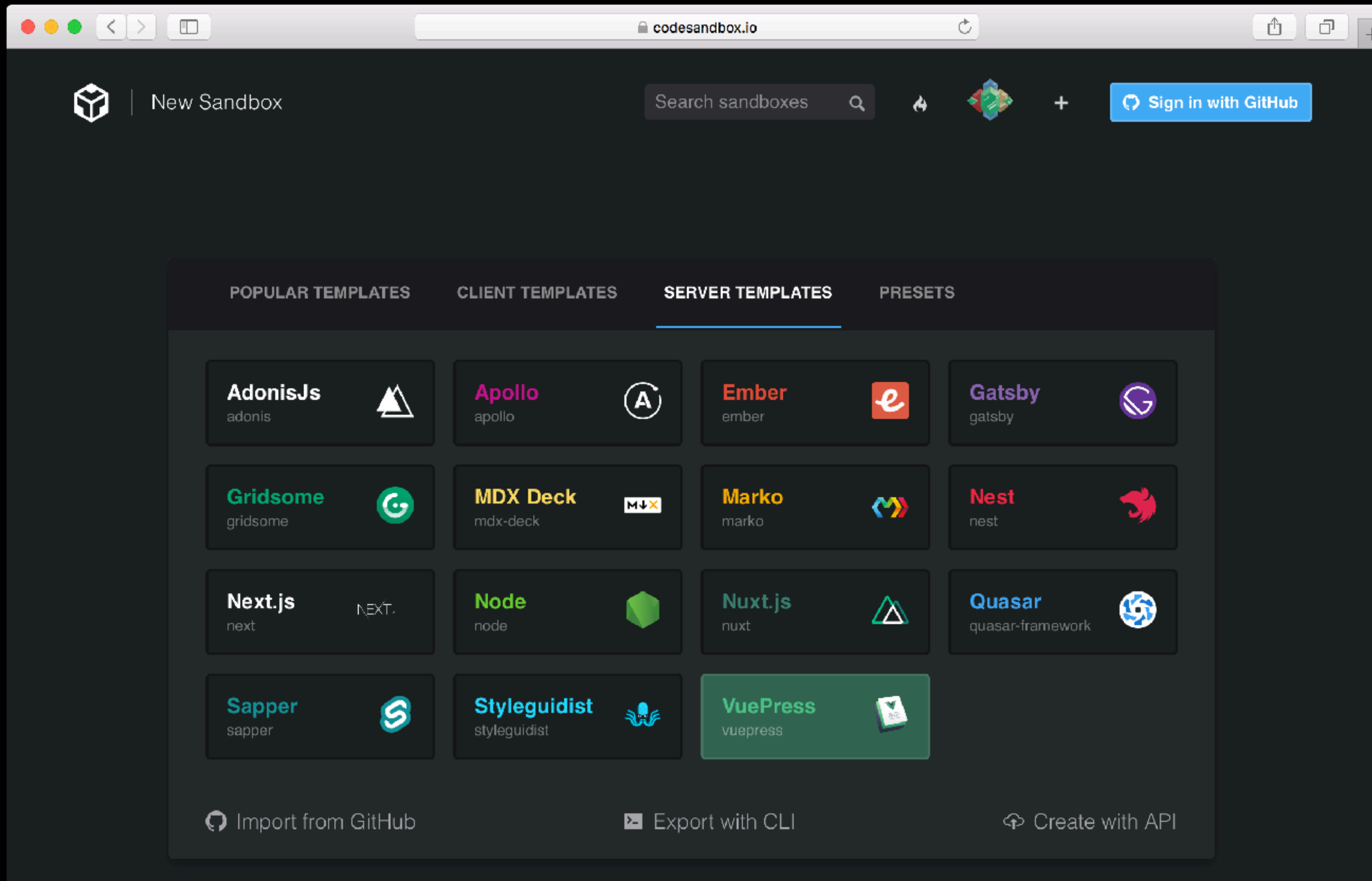


项目结构



如果你不喜欢在本地创建项目 ...

<https://codesandbox.io/s/@vicbergquist>



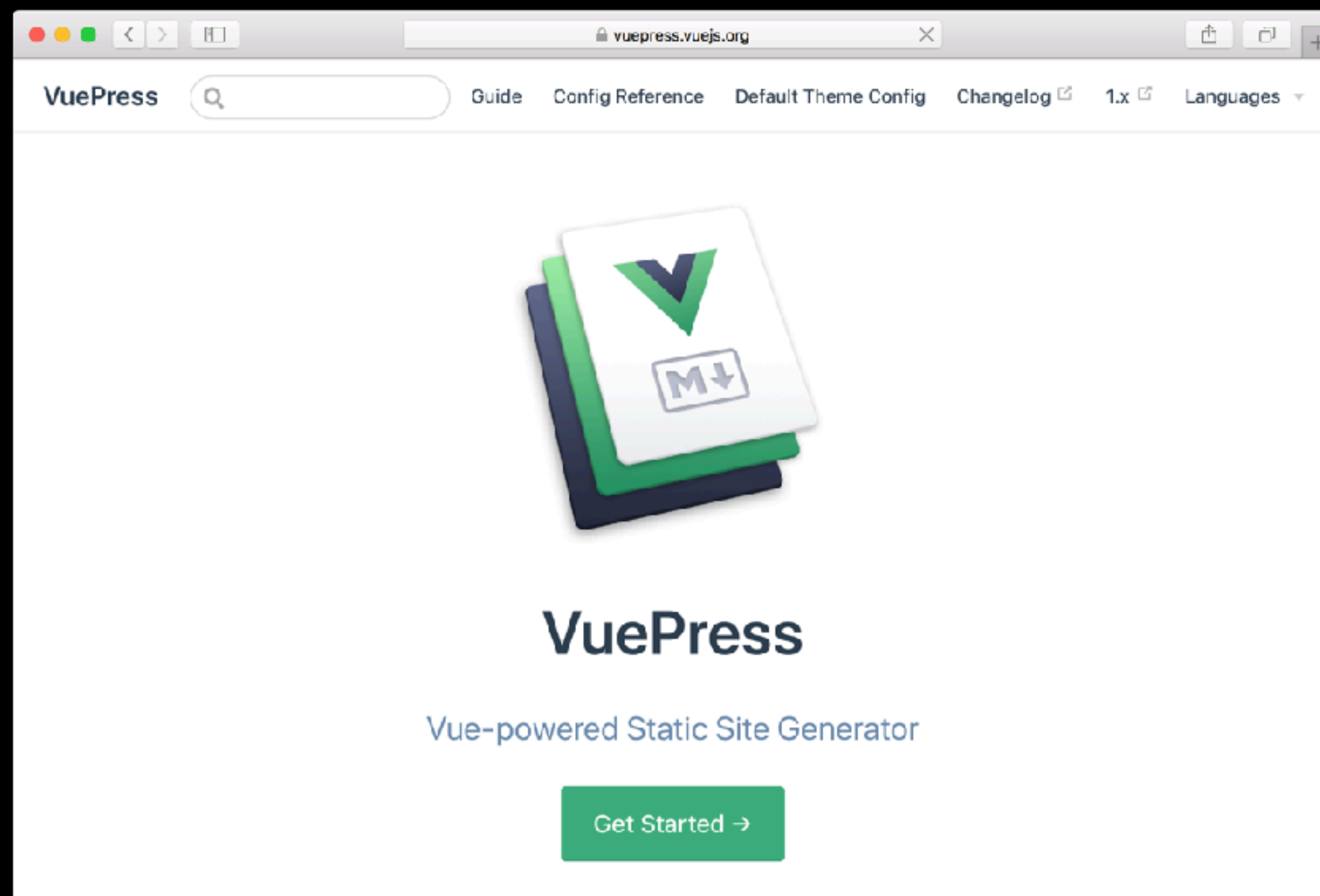
新建了项目后，我发现我想换个主题...

3

主题

依照惯例，我们先来看一看现有的主题

@vuepress/theme-default



<https://vuepress.vuejs.org/>

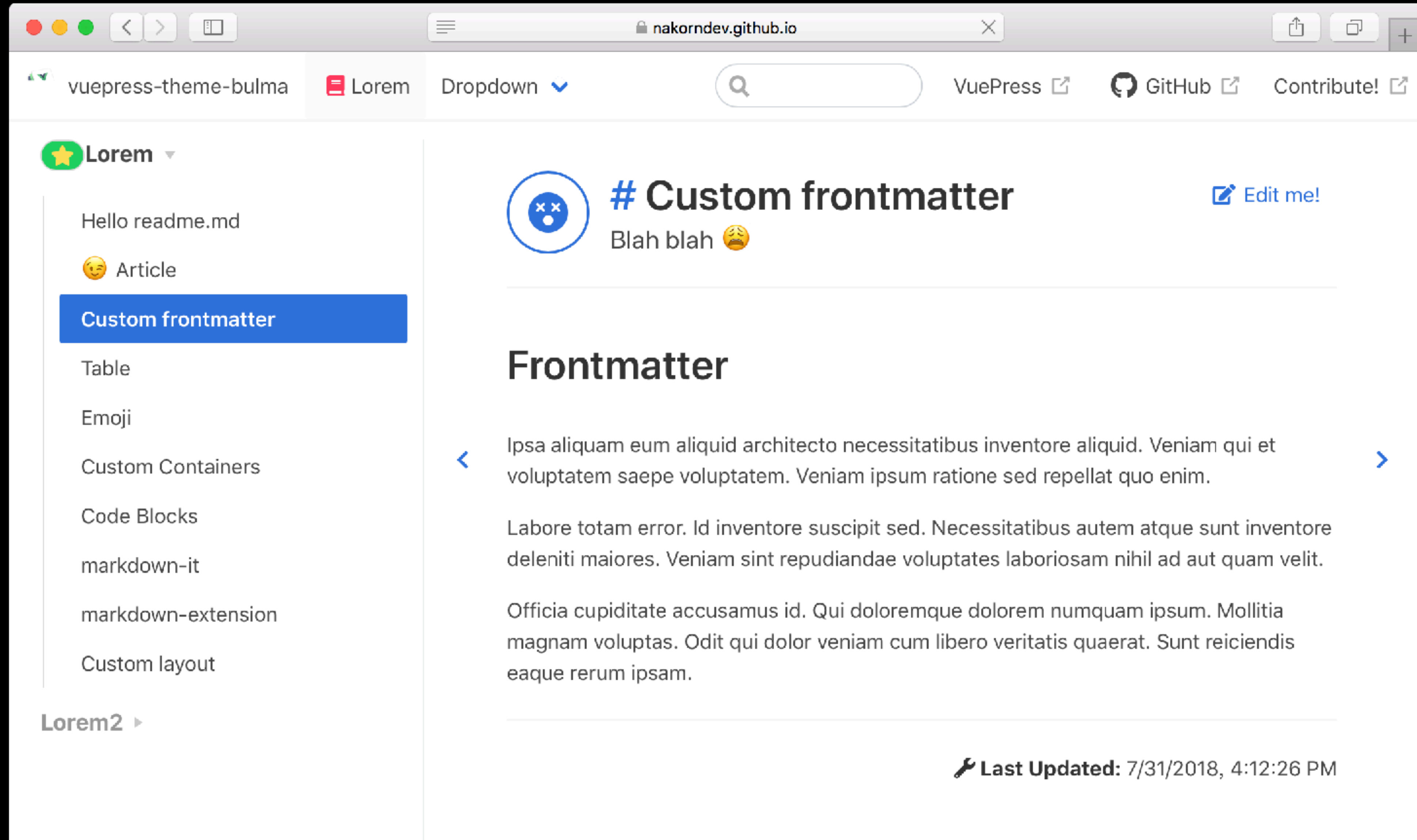
@vuepress/theme-



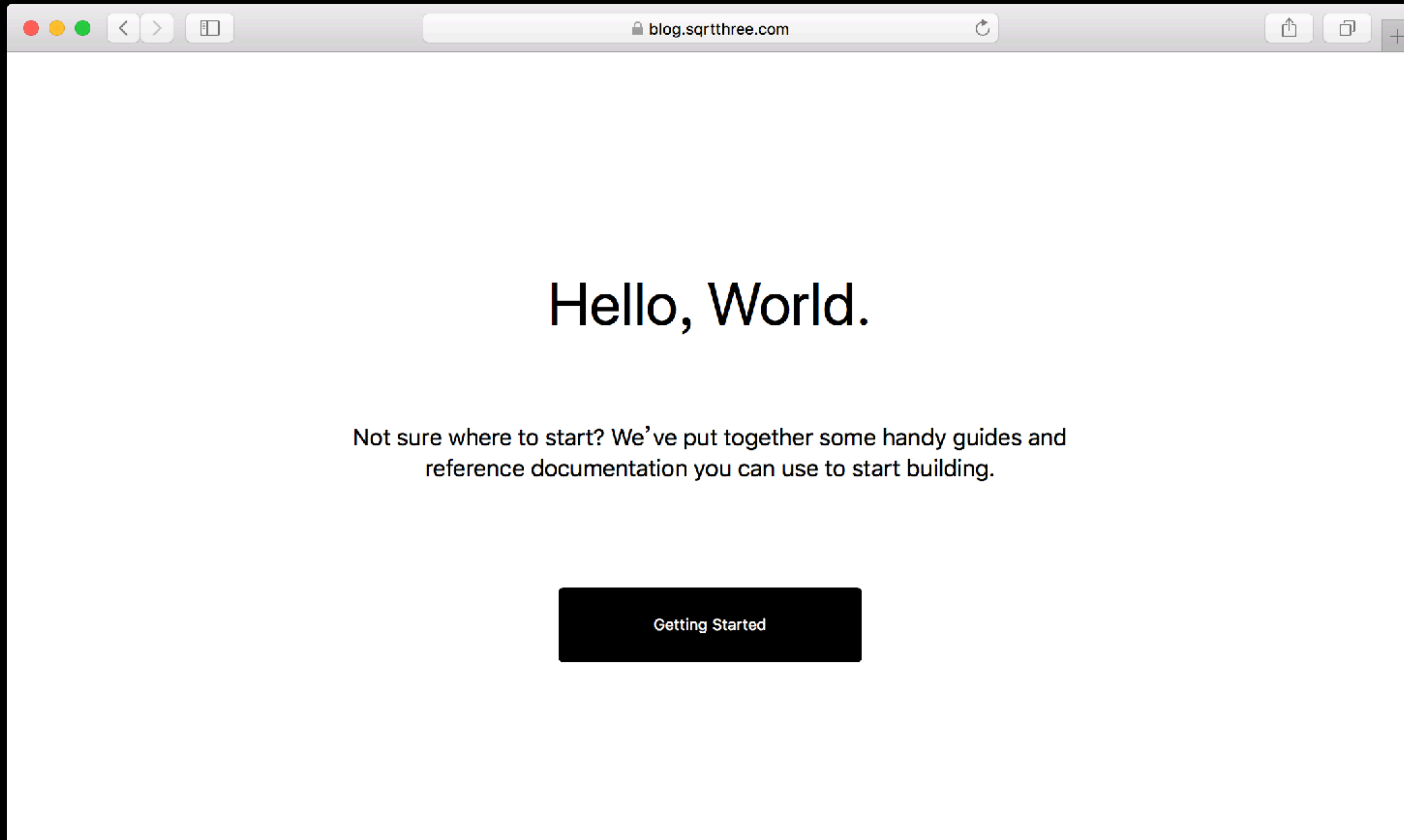
<https://>

我不喜欢官方推出的主题怎么办 😂

vuepress-theme-bulma by @nakorndev



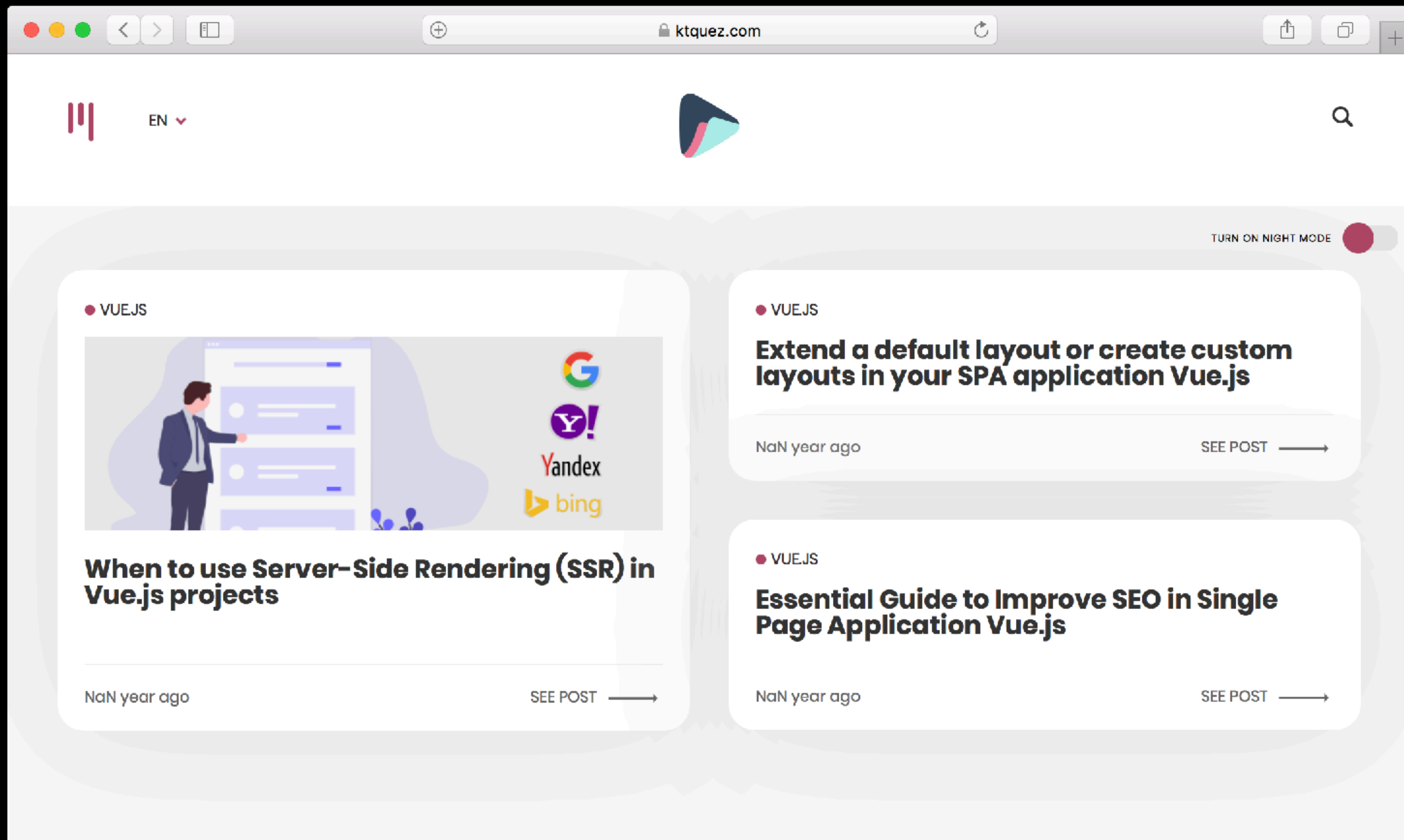
vuepress-theme-apiby @sqrthree



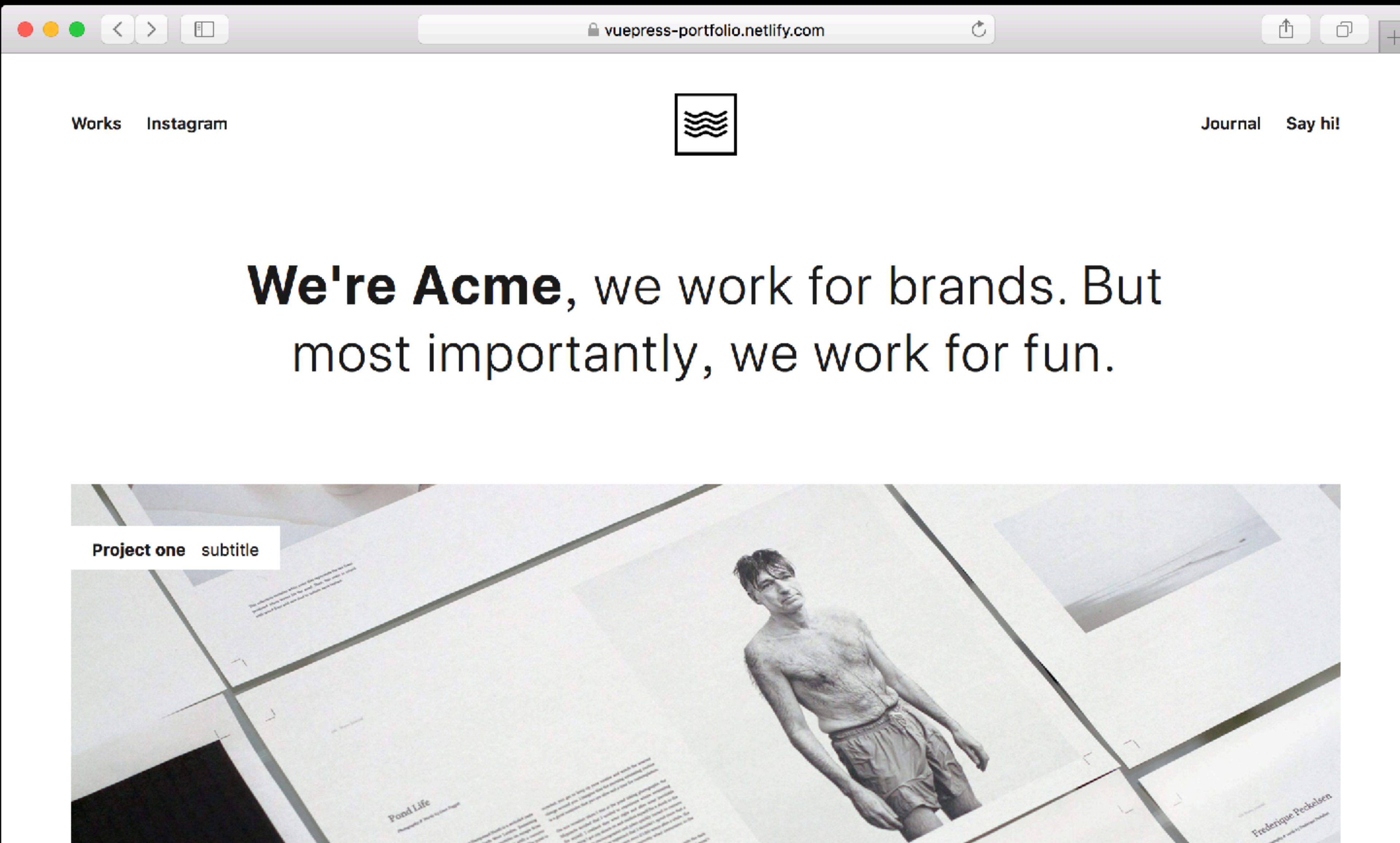
vuepress-theme-indigo-material by @zhhlwd



vuepress-theme-ktquez by @ktquez



portfolio-vuepress\$y @itsnwa



如何使用一个主题?

```
// .vuepress/config.js
module.exports = {
  theme: 'vuepress-theme-xx',
  themeConfig: {
    // ...
  }
}
```

没有我喜欢的主题怎么办 😂

那就来写一个主题

```
theme
├── global-components
│
├── components
│
├── layouts
│   ├── Layout.vue (Mandatory)
│   └── 404.vue
│
├── styles
│   ├── index.styl
│   └── palette.styl
└── index.js
```

说到这里，我们好像还没见过插件 😊💧

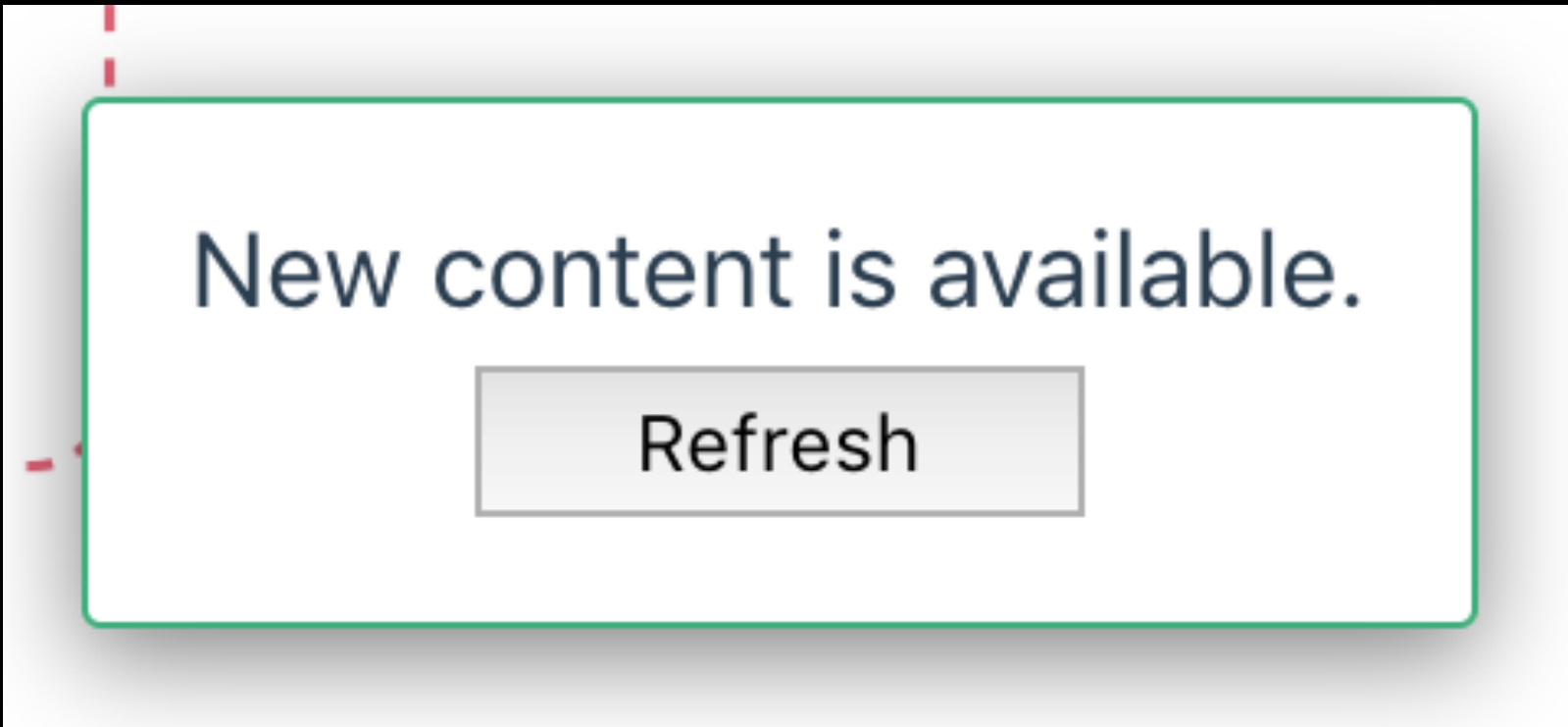
4

插件

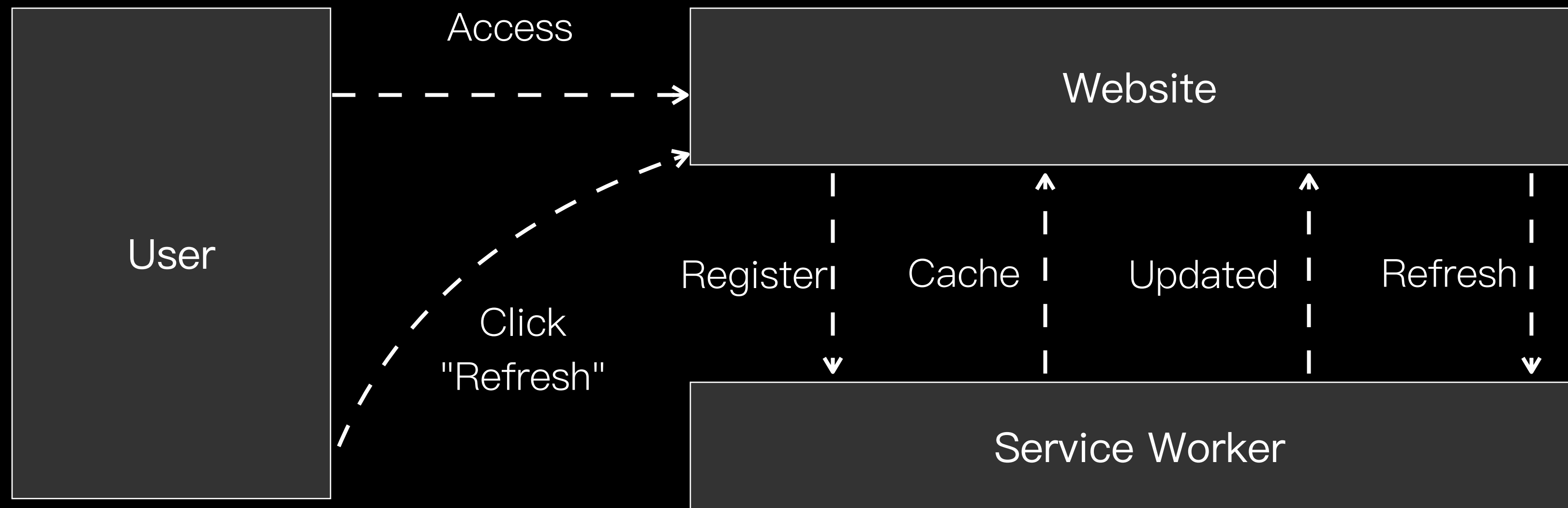
首先来看看我们有哪些插件

@vuepress/plugin-pwa 让你的网站更快

Name	Sta...	Type	Initiator	Size	Time
 v1.vuepress.vuejs.org	200	document	Other	(from ServiceWorker)	19 ms
 0.styles.fa9064ef.css	200	stylesheet	(index)	(from ServiceWorker)	108 ms
 app.95bfb7fb.js	200	script	(index)	(from ServiceWorker)	136 ms
 3.df105a9b.js	200	script	(index)	(from ServiceWorker)	136 ms
 18.92edc3f9.js	200	script	(index)	(from ServiceWorker)	136 ms
 6.8243851e.js	200	script	(index)	(from ServiceWorker)	21 ms
 4.24790f85.js	200	script	(index)	(from ServiceWorker)	136 ms



@vuepress/plugin-pwa

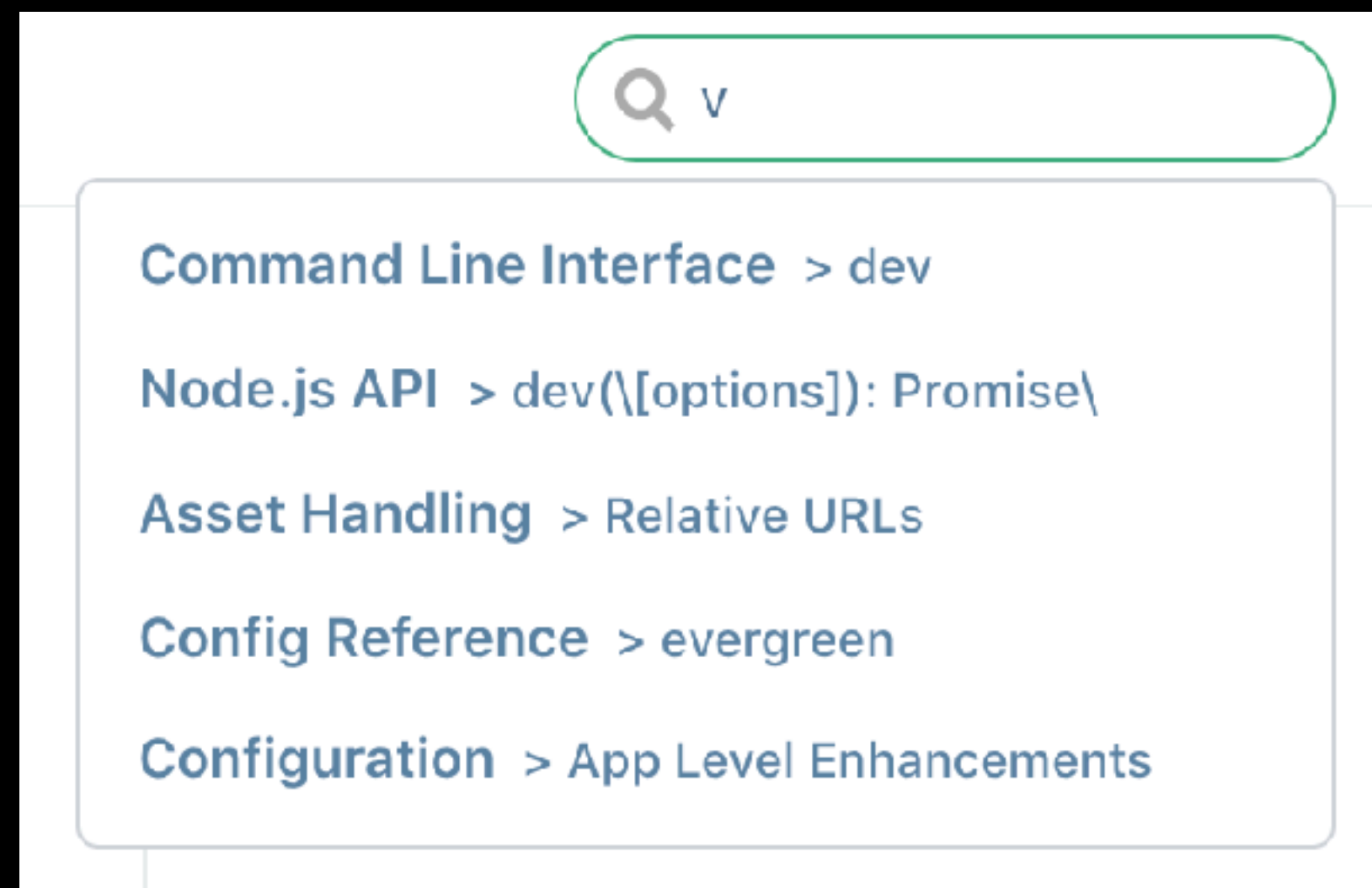


refs

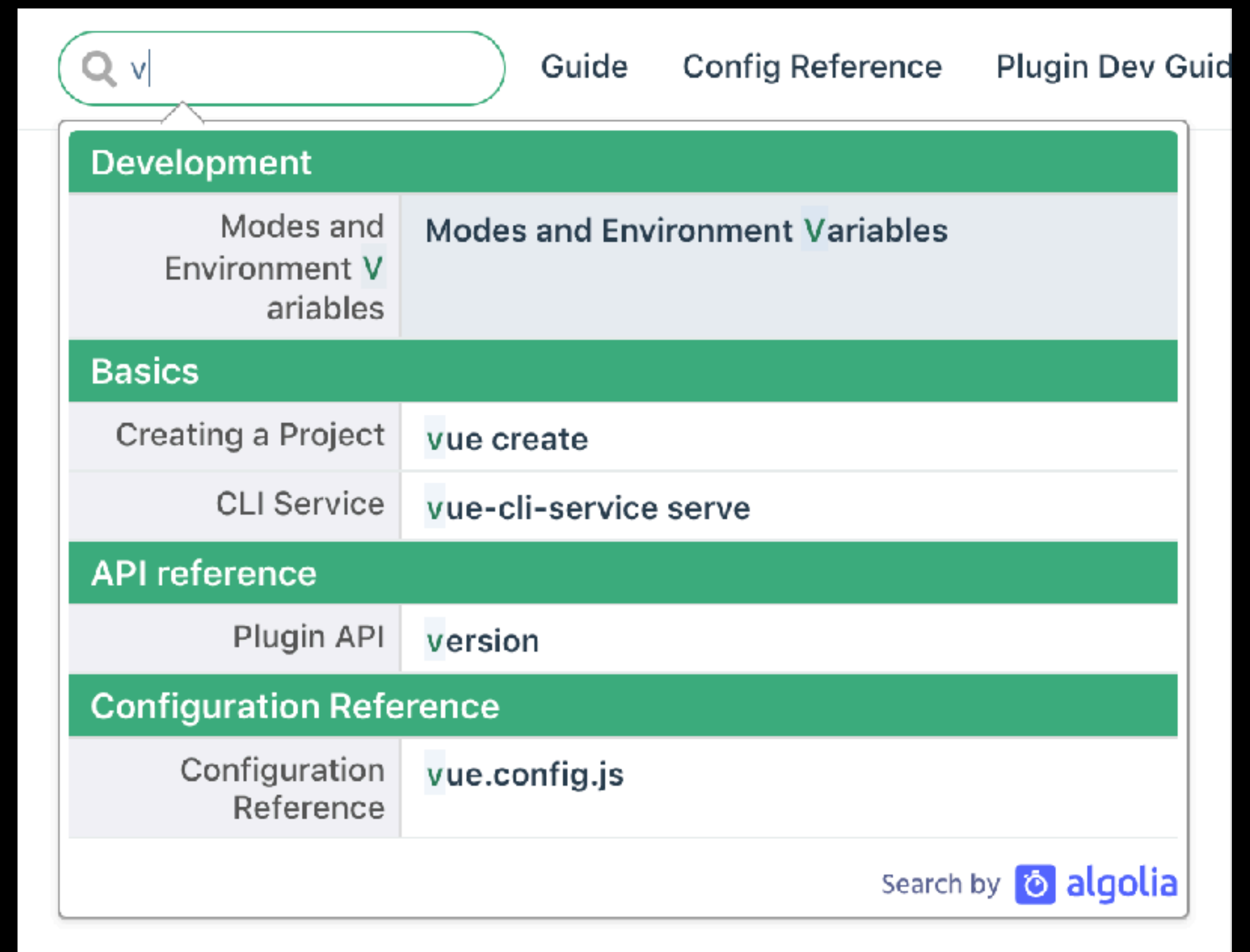
How to Fix the Refresh Button When Using Service Workers > Approach #3

@vuepress/plugin-search 让搜索更简单

基于 Headers 的搜索



Algolia Search 集成



@vuepress/plugin-search



搜索体验

匹配算法

由于页面都是异步加载的

如何实现开箱即用的全文搜索呢？

@vuepress/plugin-blog 让开发博客主题更简单

自定义基于目录（_post）或者 Front Matter （如 tag）的分类

内置博客风格的 Permalinks

开箱即用的分页功能

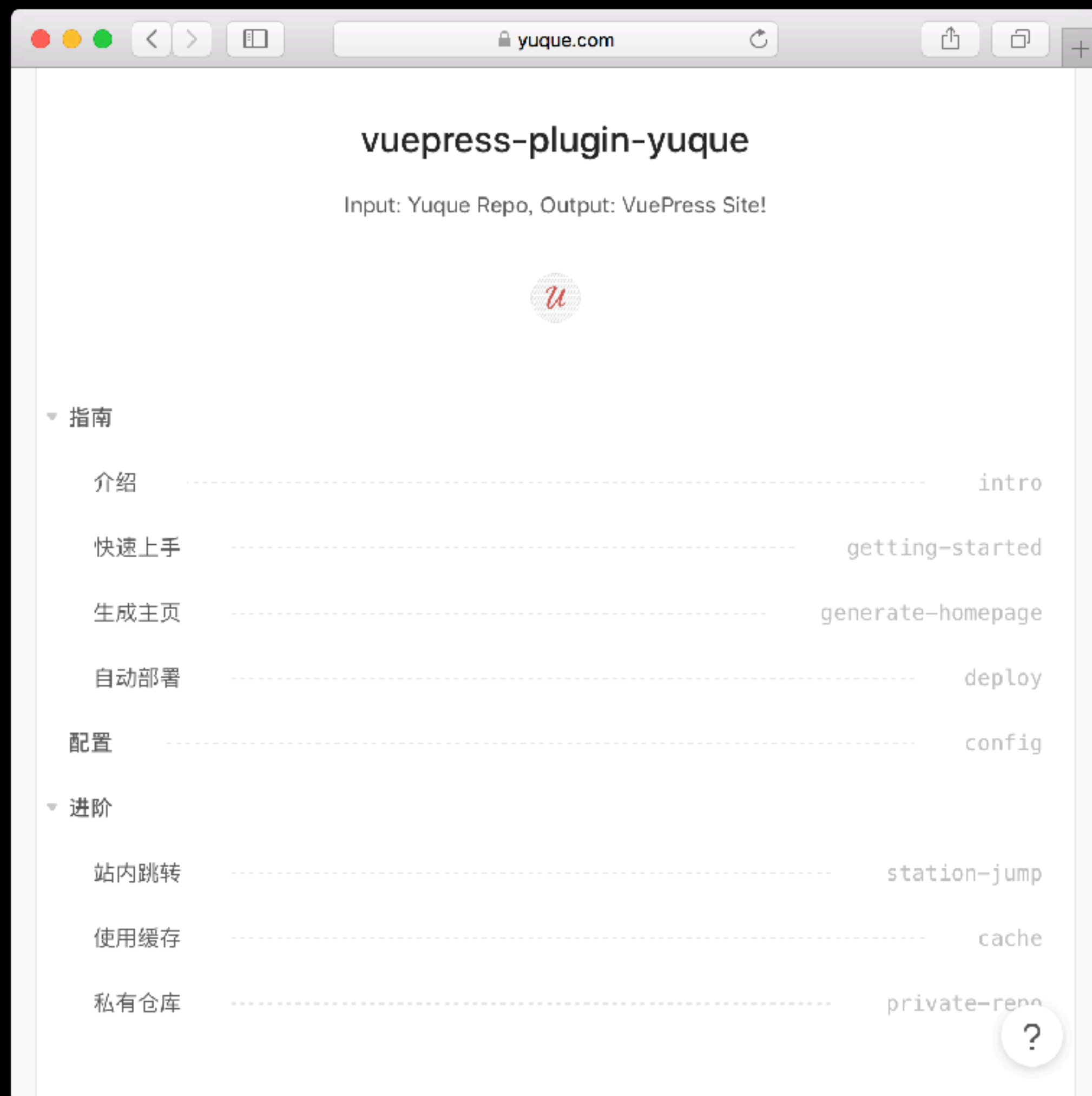
“ 博客主题开发者能够更关注主题的交互体验
而非分类分页等逻辑 ”

如何用70行代码实现一个博客主题

<https://github.com/ulivz/70-lines-of-vuepress-blog-theme>

vuepress-plugin-yuque 创造了纯动态数据源的可能性

Input



Output



实现这个转换需要多少行代码?

```
// .vuepress/config.js
module.exports = {
  plugins: [
    ['vuepress-plugin-yuque', {
      repoUrl: 'https://www.yuque.com/vuepress/vuepress-plugin-yuque'
    }]
  ]
}
```

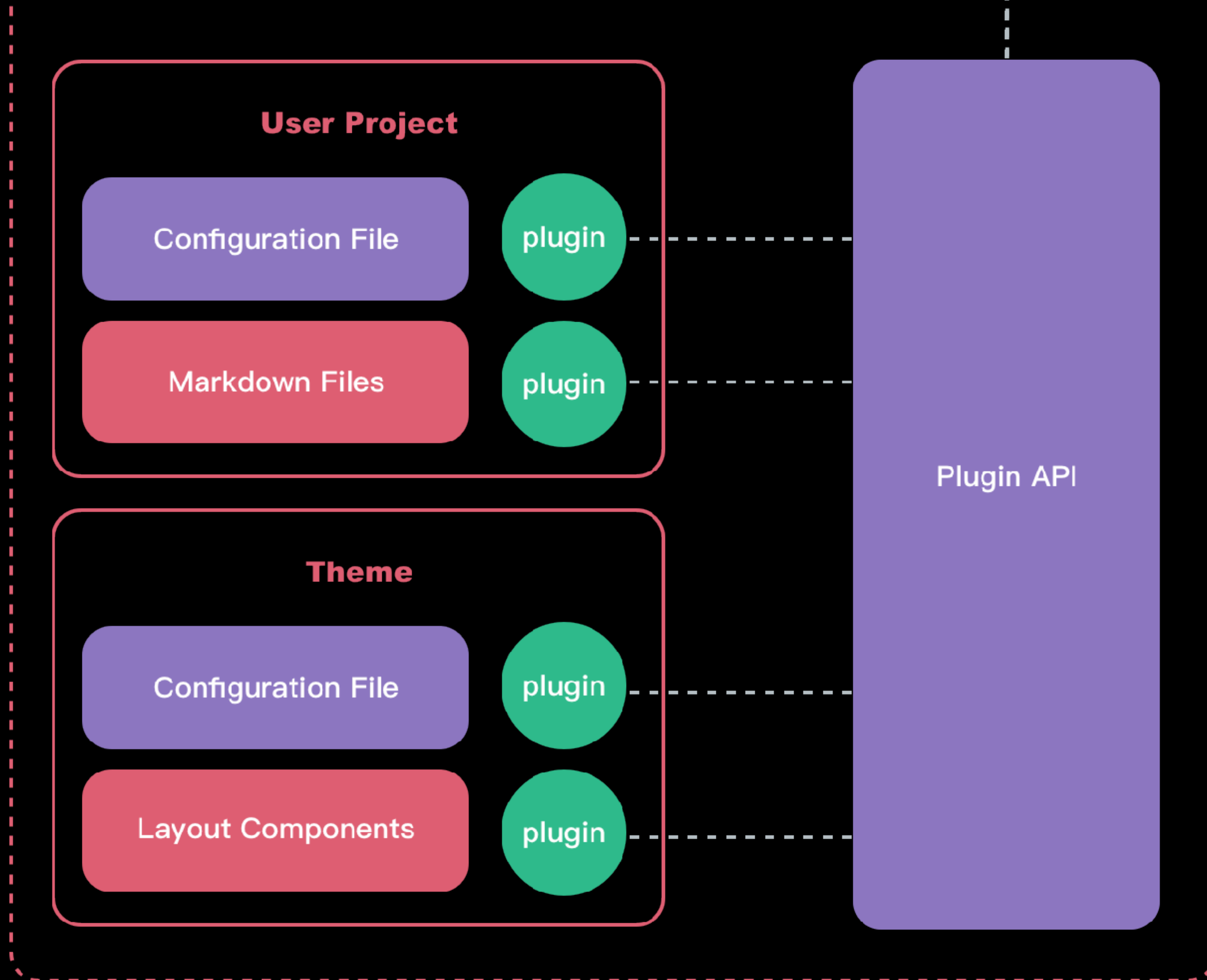
<https://vuepress-plugin-yuque.ulivz.com/>

“

只要你愿意
你可以将任意的数据源
连接到 VuePress

”

了解了几个 VuePress 插件后
我们再来看看 VuePress 的插件系统是如何运作的



再來看看有哪些插件 API

Life Cycle	Webpack	Markdown	Page Management
ready	chainWebpack	extendMarkdown	extendPageData
updated	define / alias	chainMarkdown	clientDynamicModules
generated	beforeDevServer / afterDevServer		additionalPages

Other APIs: globalUIComponents, extendCLI

如何书写一个 VuePress 插件?

#1 Export a plain object

```
module.exports = {  
  // ...  
}
```

#2 A function that returns a plain object

```
module.exports = (options, ctx) => {  
  return {  
    // ...  
  }  
}
```


插件案例

实现一个 VuePress 插件，包含如下功能：

1. 添加一个额外的页面 `/info/`;
2. 在 `/info/` 页展示出当前站点下所有的页面信息;
3. 新增页面信息“字数”;
4. 注册 `vuepress view-info` 指令，实现上述相同的功能;

```
const { join } = require('path')

module.exports = (options, context) => ({

  additionalPages() {
    return {
      path: '/info/',
      // 在 SFC 中通过 this,$site.pages 拿到所有页面
      filePath: join(__dirname, 'info.vue')
    }
  },

  extendPageData($page) {
    const { _content } = $page
    $page.charsCount = _content.length
  },

  extendCli(cli) {
    cli
      .command('view-info [targetDir]', '')
      .action(async (dir = '.') => {
        // 通过 ctx.pages 拿到所有的页面
      })
  }
})
```

在线演示

除此之外，1.x 还给我们带来什么？

5

永久链接

源文件

```
.  
└─ _posts  
   └─ 2018-4-4-intro-to-vuepress.md  
      └─ 2019-6-8-intro-to-vuepress-next.md
```

默认行为

```
_posts/2018-4-4-intro-to-vuepress.html  
_posts/2019-6-8-intro-to-vuepress-next.html
```

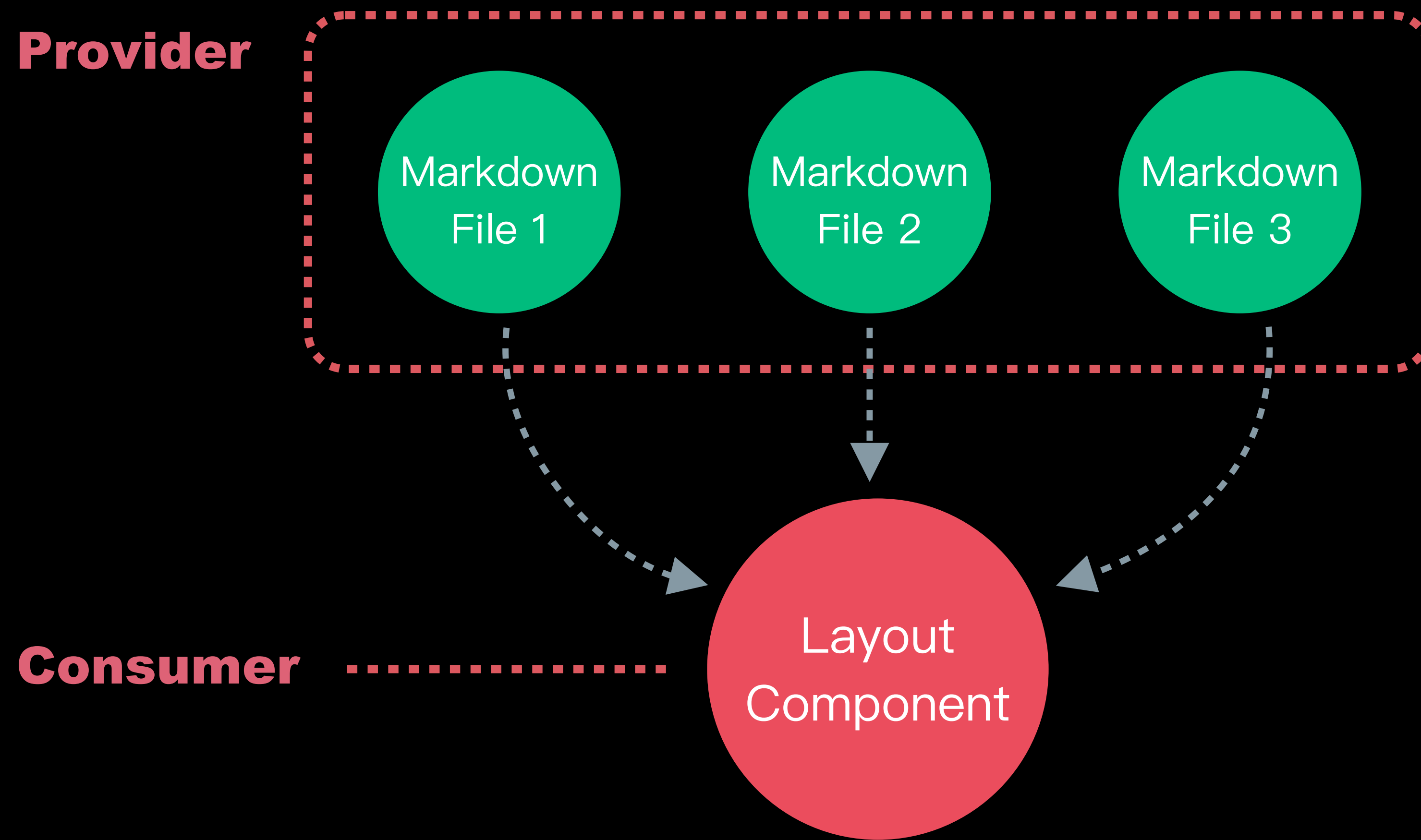
使用永久链接

```
/2018/04/04/intro-to-vuepress/  
/2019/06/08/intro-to-vuepress-next/
```

5

Markdown 插槽

布局组件和 Markdown 文件之间的关系



一个 Markdown 文件能够提供多少数据源

Front Matter

`this.$page.frontmatter`

Content

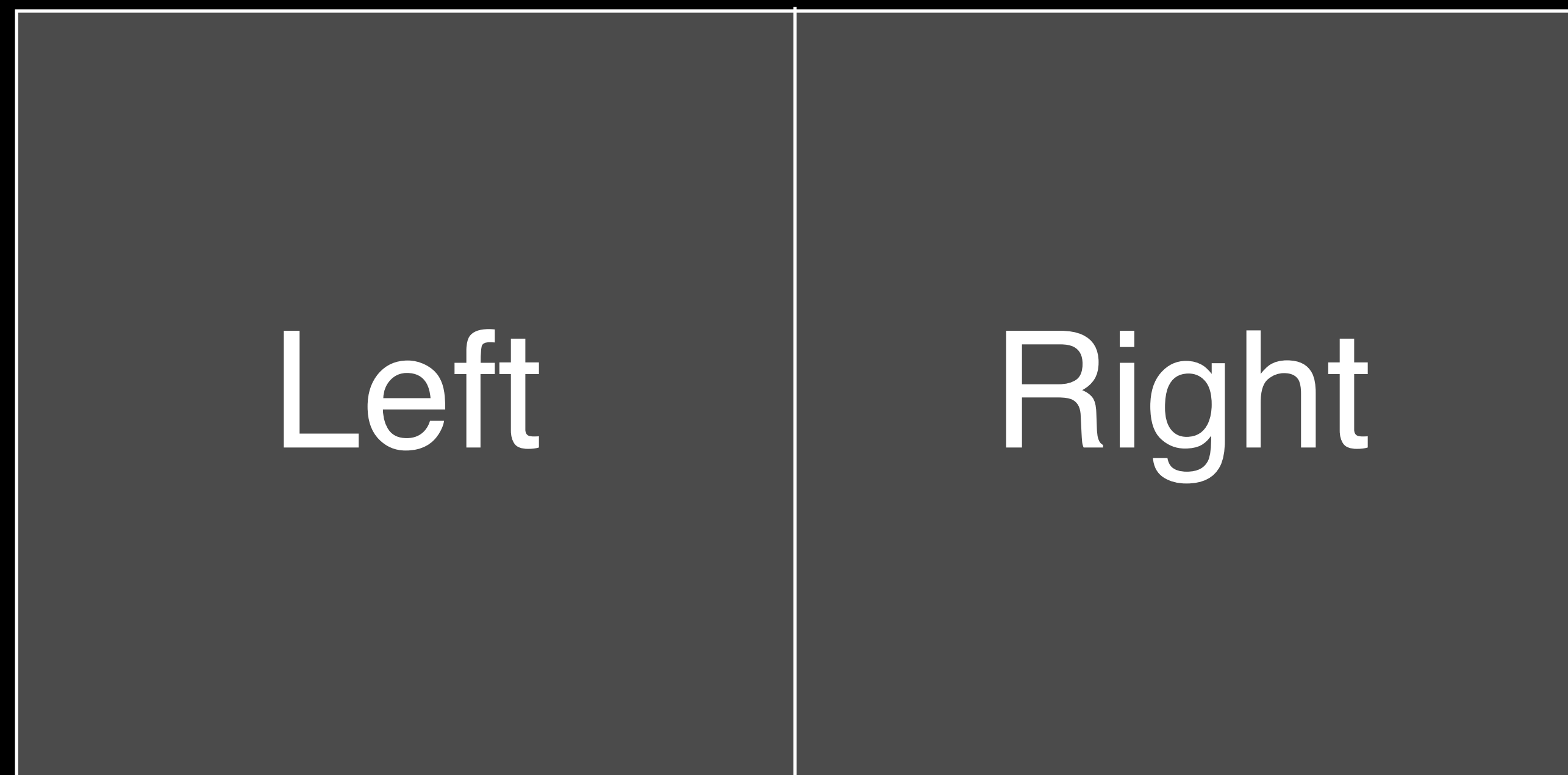
`<Content />`

```
title: Intro to VuePress 1.x
layout: CustomLayout
```

Intro to VuePress 1.x

June 8th, 2019, in Shanghai, ...

但是，假设我的布局是这样的 ...



我将无从下手 ... 除非我只想在右侧渲染 `<Content />`

有了 Markdown 插槽, 我们便可以将源文件分片

Markdown:

```
::: slot left
> I'm on the left
:::

::: slot right
> I'm on the right
:::
```

Layout Component:

```
<div id="layout">
  <Content slot-key="left"/>
  <Content slot-key="right"/>
</div>
```

7

使用 SFC 作为源页面

在 SFC 中使用 Front Matter

```
<frontmatter>
title: VuePress 1.x
description: Vue SFC as source pages
</frontmatter>

<template>
  <div id="page">
    <div class="title">{{ $frontmatter.title }}</div>
    <div class="description">{{ $frontmatter.description }}</div>
  </div>
</template>
```


8

主题继承

为什么需要主题继承？
避免不必要的 eject

覆盖父主题中的的组件

Parent Theme

- ├ components
 - ├─ Navbar.vue
 - ├─ Home.vue
 - └─ Sidebar.vue
- ├ layouts
 - ├─ 404.vue
 - └─ Layout.vue
- ├ package.json
- └ index.js

Child Theme

- ├ components
 - └─ Navbar.vue

@theme/components/Navbar.vue

说了这么多，我们来总结一下

VuePress 1.x 给我们带来了

强大的	插件	API
增强的	主题	系统
新增的	博客	主题

Q & A

最后，我们来发布 VuePress 1.x

Thanks

VuePress 是一个开源项目
感谢所有的贡献者 ❤️

[@benodezen](#) [@itsnwa](#)

[@jjyyxx](#)

[@ktquez](#)

[@meteorlxy](#)

[@nakorndev](#)

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