

# VUEPRESS

## DOCUMENTATION MADE EASY

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Ben Hong

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# BEN HONG

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**VueDC**

<https://www.vuedc.io>



**VueMeetups**

<https://www.vuemeetups.org>

# BEFORE WE GET STARTED...

## SLIDES WILL BE AVAILABLE ONLINE

<https://www.twitter.com/bencodezen>

## FOR THE SOCIAL MEDIA FOLKS

[@bencodezen](#) - [#VuePress](#) [#ConnectTech18](#)

LET'S TAKE A STROLL  
DOWN MEMORY LANE



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This is a package which holds the key to the promise land where your problems will be solved...

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Branch: master

[New pull request](#)[Create new file](#)[Upload files](#)[Find file](#)[Clone or download](#)[bencodezen](#) docs: Add basic setup instructions

Latest commit e5233bd 4 minutes ago

[README.md](#)

docs: Add basic setup instructions

4 minutes ago

[main.js](#)

feature: Initialize main.js

6 minutes ago

[README.md](#)

# some-critical-library

## Setup Instruction

1. Install in application
2. Use library to solve our problem.
3. Enjoy the rest of your day!





**INHALE...**

**EXHALE...**



**stackoverflow**

NEVER HAVE I FELT SO  
CLOSE TO ANOTHER SOUL  
AND YET SO HELPLESSLY ALONE  
AS WHEN I GOOGLE AN ERROR  
AND THERE'S ONE RESULT  
A THREAD BY SOMEONE  
WITH THE SAME PROBLEM  
AND NO ANSWER  
LAST POSTED TO IN 2003

WHO WERE YOU,  
DENVERCODER9?

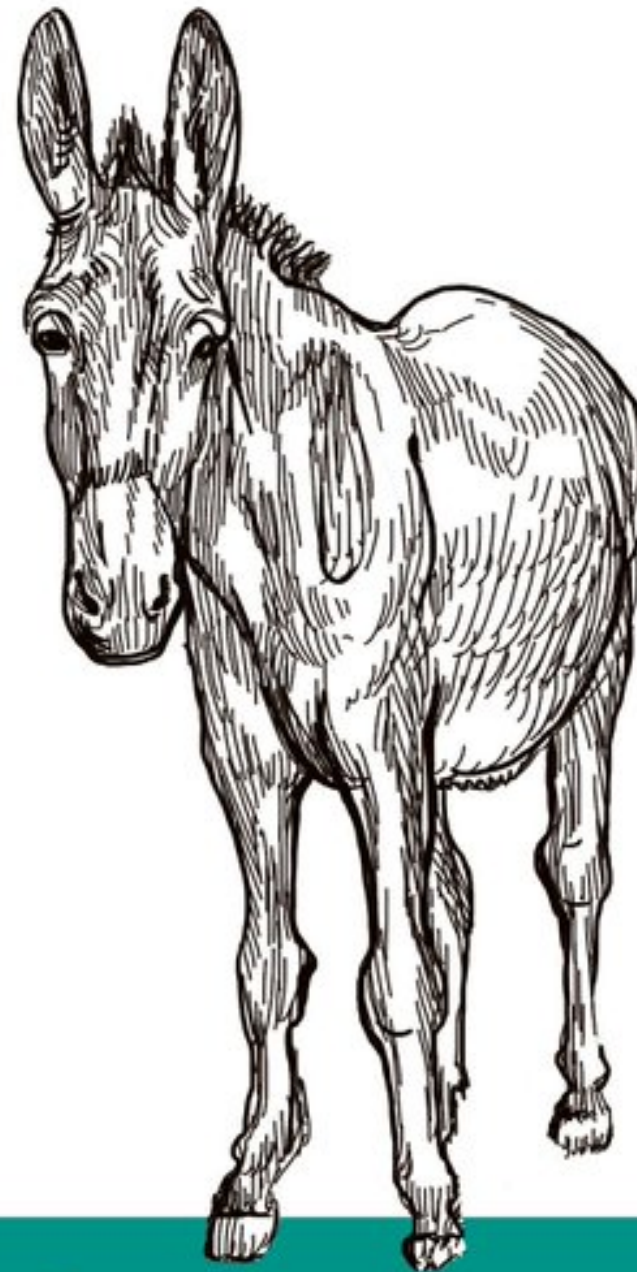
WHAT DID YOU SEE?!





SO WHAT IS  
THE PROBLEM?

*Where's the fun in just knowing what the code is supposed to do?*



*Essential*

# Excuses for Not Writing Documentation

# COMMON EXCUSES

- ▶ "Don't have time. I have to ship X feature."
- ▶ "The docs are so outdated I'd to rewrite the whole thing."
- ▶ "We will get to it later."
- ▶ "It's too hard."
- ▶ "Don't like writing."
- ▶ "Too lazy."
- ▶ "Future devs will figure it out."





**DOCUMENTATION IS THE KEY TO ANY  
PROJECT'S LONG TERM SUCCESS.**

Ben Hong





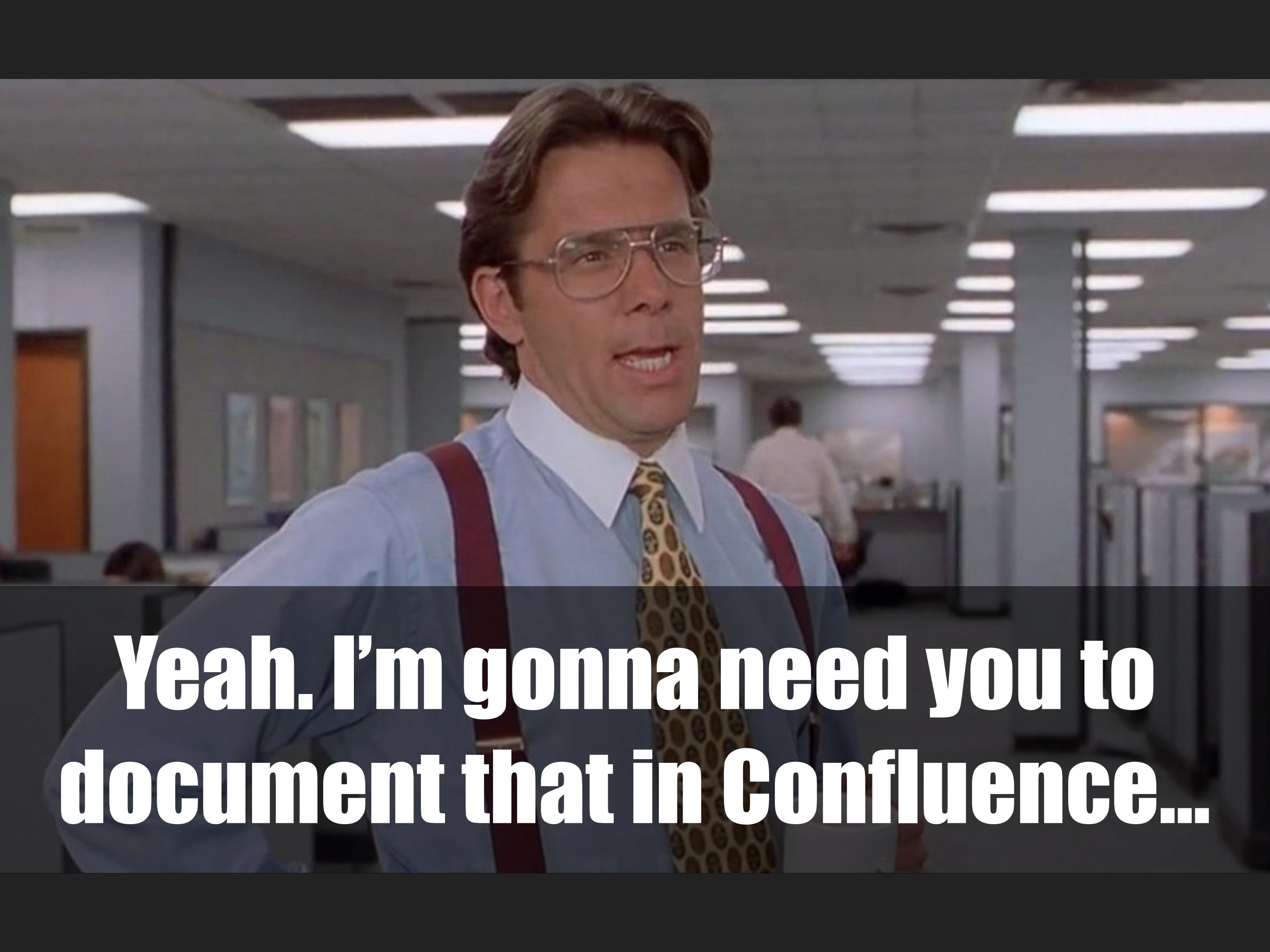
# WHY CONFLUENCE IS A NIGHTMARE FOR DOCUMENTING CODEBASES

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## 10 things I hate about X Confluence



1. Little to no design control
2. Completely separate from the codebase
3. It is a yet another application I need to login to
4. Non-standard markdown syntax
5. Default website theme is not responsive
6. Code blocks are a UX nightmare
7. Forget about custom elements
8. It tries to be the document tool for everyone
9. Difficult to customize as you desire
10. Locked into a specific ecosystem without a good exit strategy



**Yeah. I'm gonna need you to  
document that in Confluence...**



**BUT WAIT....**

**WE'RE DEVELOPERS**



**WE GOT THIS!**



**FO SHO**



# **OBJECTIVE: BUILD A DOCS SITE WE WILL LOVE**

## **Requirements**

- ▶ Easy to write documentation
- ▶ Easy to maintain
- ▶ Version controlled
- ▶ Site should be responsive
- ▶ It is easy to customize the design



**I GIVE**



**UP**

THE REALITY IS THAT  
**GOOD & LIVING** DOCUMENTATION  
IS HARD AT FIRST.

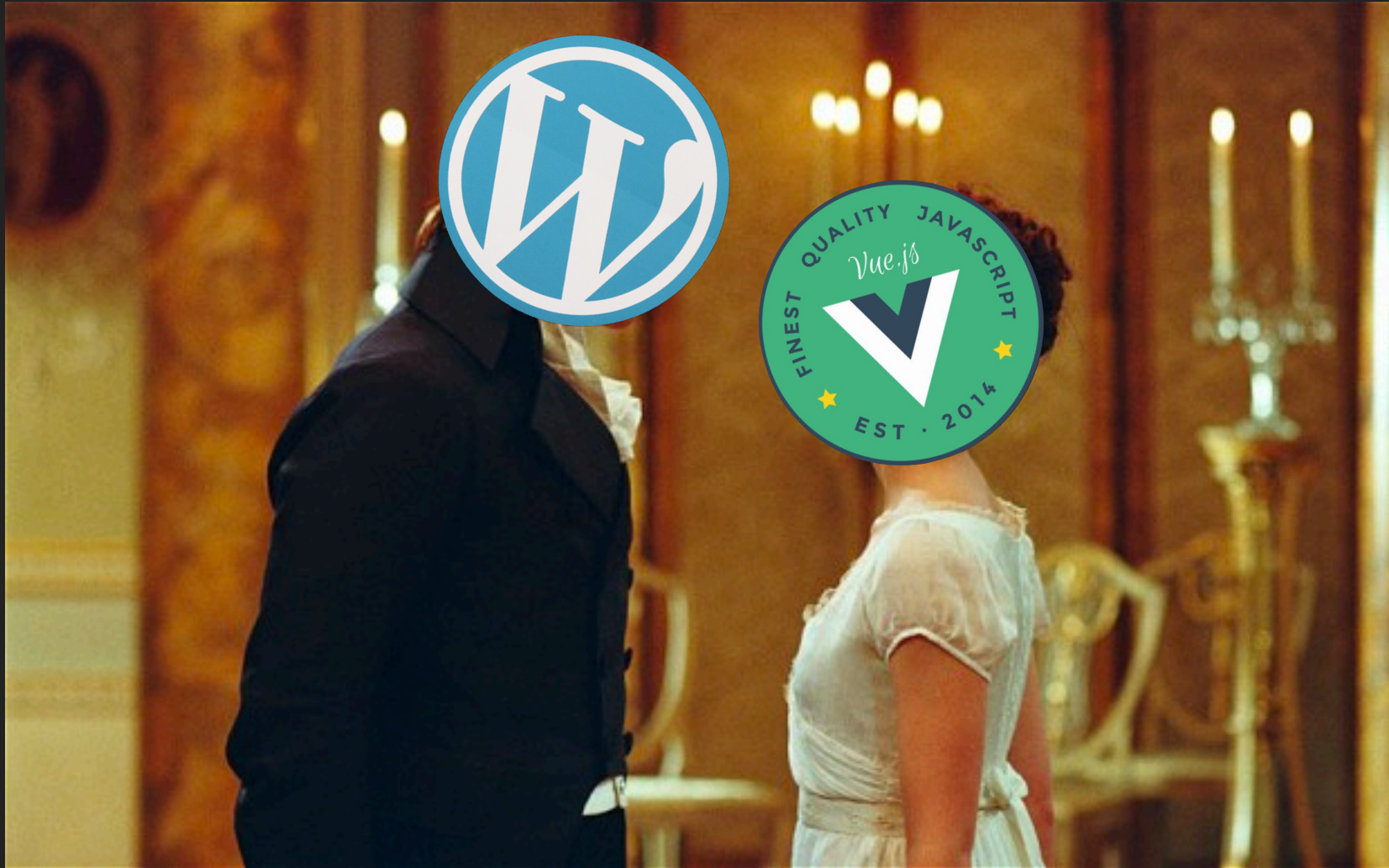
BUT, ALL HOPE IS NOT LOST.





**So tell me more about this  
VuePress thing...**





**HAHAHA**

**JUST KIDDING**

memegenerator.net



**VUEPRESS**



“

VuePress is a **static site generator** with a Vue powered theming system that comes with a default theme **optimized for technical documentation**.

# WHAT DO YOU **NEED** TO USE VUEPRESS?

- ▶ Node.js
- ▶ VuePress Library



# OPTIMIZED FOR **TECHNICAL** DOCUMENTATION

- ▶ Write documentation with tools you already know
- ▶ Can co-exist in the same repo with minimal config



“

Replace (some) training with doc PRs: when trainees review doc PRs, training is made reusable.

- Chris Fritz ([@chrisvfritz](https://twitter.com/chrisvfritz))

# OPTIMIZED FOR **TECHNICAL** DOCUMENTATION

- ▶ Can co-exist in the same repo with minimal config
- ▶ Write documentation with tools you already know
- ▶ Hot Module Reloading (HMR) during development
- ▶ Automatically uses folder structure for routing
- ▶ Built-in Markdown Extensions

# COOL MARKDOWN EXTENSIONS

## ► Front Matter

```
---  
title: This is amazing  
lang: en-US  
meta:  
  - name: description  
    content: hello  
  - name: keywords  
    content: super duper SEO  
---
```

```
---  
{  
  'title': 'This is amazing',  
  'lang': 'en-US',  
  'meta':  
    [  
      {  
        'name': 'description',  
        'content': 'hello'  
      },  
      {  
        'name': 'keywords',  
        'content': 'super duper SEO'  
      }  
    ]  
}  
---
```



# COOL MARKDOWN EXTENSIONS

## ► GitHub-Style Tables

```
| Tables      |      Are      |   Cool   |  
| ----- | :-----: | ----: |  
| col 3 is   | right-aligned | $1600 |  
| col 2 is   | centered      | $12   |  
| zebra stripes | are neat     | $1    |
```

Tables	Are	Cool
col 3 is	right-aligned	\$1600
col 2 is	centered	\$12
zebra stripes	are neat	\$1

# COOL **MARKDOWN** EXTENSIONS

## ► Code Syntax Highlighting

```
```js
export default {
  data() {
    return {
      msg: 'Highlighted!'
    }
  }
}
```
```

```
js
export default {
  data() {
    return {
      msg: 'Highlighted!'
    }
  }
}
```

# COOL **MARKDOWN** EXTENSIONS

## ► Line Highlighting in Code Blocks

```
```js{4}
export default {
  data() {
    return {
      msg: 'Highlighted!'
    }
  }
}
```
```

```
export default {
  data () {
    return {
      msg: 'Highlighted!'
    }
  }
}
```

js

# COOL **MARKDOWN** EXTENSIONS

## ► Custom Containers

### Input

```
 ::: tip
This is a tip
 :::

 ::: warning
This is a warning
 :::

 ::: danger
This is a dangerous warning
 :::
```

### Output

#### TIP

This is a tip

#### WARNING

This is a warning

#### WARNING

This is a dangerous warning

# COOL MARKDOWN EXTENSIONS

## ► Emojis

```
:rocket: :poop: :apple: :laughing:
```







“

VuePress is a **static site generator** with a Vue powered theming system that comes with a default theme **optimized for technical documentation**.



“

VuePress is a static site generator with a **Vue powered theming system** that comes with a default theme optimized for technical documentation.

# VUE POWERED? TELL ME MORE...

- ▶ Vue Magic (ノ◡▽◡)ノ\*:・° ✨

# VUE MAGIC: INTERPOLATION

Input

```
{{ 1 + 1 }}
```

md

Output

2

# VUE MAGIC: DIRECTIVES

Input

```
<span v-for="i in 3">{{ i }} </span>
```

md

Output

1 2 3



# VUE MAGIC: **SITE & PAGE DATA**

# THE VUE PART OF VUEPRESS: SITE AND PAGE DATA

The image shows a development environment with a code editor on the left and a web browser on the right. The code editor displays a Markdown file named `README.md` with the following content:

```
1 ---
2 title: This is amazing
3 lang: en-US
4 ---
5
6 # My Page Heading 1
7
8 Ullamco nulla consequat sit quis quis
9 nulla in eu mollit ut.
```

The web browser shows the rendered page at `localhost:8080`. The page has a title "This is amazing" and a heading "My Page Heading 1". The body text is "Ullamco nulla consequat sit quis quis nulla in eu mollit ut.".

The bottom right of the image shows the Vue DevTools component inspector. It indicates that Vue 2.5.17 is detected. The component tree shows the following structure:

- <Root>
  - <Layout> (router-view)

The right pane of the component inspector is empty, with the text "Select a component instance to inspect.".

# VUE POWERED? TELL ME MORE...

- ▶ Vue Magic (ノ◡▽◡)ノ\*:・° ✨
- ▶ An incredible default theme
  - ▶ Customizable Home Page
  - ▶ Navbar
  - ▶ Sidebar
  - ▶ Built-in Search

# VUE POWERED? TELL ME MORE...

- ▶ Vue Magic (ノ◡▽◡)ノ\*:・° ✨
- ▶ An incredible default theme
  - ▶ Customizable Home Page
  - ▶ Navbar
  - ▶ Sidebar
  - ▶ Built-in Search
- ▶ You can create our own theme





**YOU CAN USE  
VUE COMPONENTS  
IN YOUR MARKDOWN**

# THE VUE PART OF VUEPRESS: COMPONENTS IN MARKDOWN

The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left displays the project structure for 'vuepress-sandbox', including 'docs', '.vuepress', 'components', 'public', 'node\_modules', 'package.json', and 'yarn.lock'. The 'README.md' file is selected and open in the editor. The editor shows the following content:

```
1 ---
2 title: This is amazing
3 lang: en-US
4 list:
5   - Apple
6   - Banana
7   - Cherry
8 ---
9
10 # My Page Heading 1
11
12 Ullamco nulla consequat sit quis quis nulla in eu mollit ut.
13
14 {{ $lang }}
```

The code is a VuePress page template. It includes frontmatter for title, language, and a list of items. The list is rendered using a Vue component with a `v-for` directive. The status bar at the bottom indicates the current file is 'master\*', there are 0 errors and 0 warnings, the user is 'Ben', and the file contains 44 words. The status bar also shows the current cursor position (Ln 5, Col 6) and the active language (Markdown).



**HOW DO I  
GET STARTED?**

# HOW DO I GET STARTED?

VuePress Official Docs:

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

Tutorial: VuePress Book

<https://vuepressbook.com/>



# DOCUMENT ALL THE THINGS



Q&A

**THANKS**  
**EVERYONE!**

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**@BENCODENZEN**