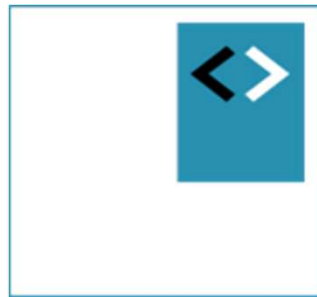




Vue.js 2e editie

VANDUUREN
MEDIA



Peter Kassenaar –
info@kassenaar.com

Peter Kassenaar

INCLUSIEF
GRATIS
WEBVERSIE
VAN HET
BOEK

Vue.js

Tweede, geactualiseerde editie

Web Development Library



VANDUUREN MEDIA

Peter Kassenaar

- Trainer, author, developer – since 1996
- Specialty: *"Everything JavaScript"*
- JavaScript, ES6, Angular, NodeJS, TypeScript, jQuery, React, Vue, etc.

www.kassenaar.com

info@kassenaar.com

Twitter: [@PeterKassenaar](https://twitter.com/PeterKassenaar)



ING 

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A DIMENSION DATA COMPANY 

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delta lloyd

zenito
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Atos



OBERON INTERACTIVE

woonbron

ROC West-Brabant

the eforum
FACTORY



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github.com/PeterKassenaar/vdm

The screenshot shows the GitHub repository page for `PeterKassenaar/vdm`. The repository is in the `main` branch with 1 branch and 0 tags. The commit history shows an initial commit by PeterKassenaar. The repository contains files `.gitignore`, `LICENSE`, and `README.md`. The `README.md` file is displayed, showing the title `vdm` and the description `Slides bij de presentatie Vue.js - Tweede editie`. The right sidebar shows the repository's metadata, including 1 star and 0 forks, and sections for About, Releases, and Packages.

Search or jump to... Pull requests Issues Marketplace Explore

PeterKassenaar / vdm Unwatch 1 Star 0 Fork

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code

PeterKassenaar Initial commit 05109c0 now 1 commit

.gitignore	Initial commit	now
LICENSE	Initial commit	now
README.md	Initial commit	now

README.md

vdm

Slides bij de presentatie Vue.js - Tweede editie

About Slides bij de presentatie Vue.js - Tweede editie

Readme

Releases No releases published [Create a new release](#)

Packages No packages published [Publish your first package](#)

High level overview van Vue.js

*Enige praktische kennis van
Vue.js*

Q & A

Heb je vragen? Stel ze in de chatbox!

[QQ] "Kun je ook...?"

Na afloop van de presentatie bespreken
we de vragen

Agenda

Totaal: ca. 1:00 uur

05:00 minuten - Indeling van het boek

25:00 minuten - "Theorie" – achtergronden bij Vue

30:00 minuten - "Praktijk" – apps maken en componenten

Vuejs.org



<https://vuejs.org>

Peter Kassenaar

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Indeling

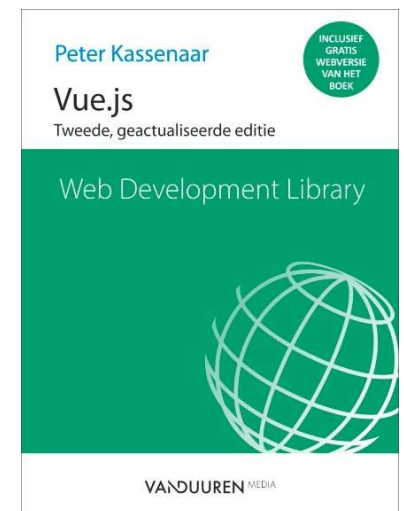
8 hoofdstukken

Van eerste kennismaking tot uitrollen Vue-website op de
server

Praktijkoefeningen

Aan het einde van elk hoofdstuk

Geschikt voor zelfstudie



Indeling van het boek

- Hoofdstuk 1
 - Algemene achtergronden - kennismaken
- Hoofdstuk 2
 - Eerste applicatie, structuur en architectuur
- Hoofdstuk 3
 - Databinding
- Hoofdstuk 4
 - 'Advanced' components

Indeling van het boek

- Hoofdstuk 5
 - Communicatie tussen componenten
- Hoofdstuk 6
 - Vue-router – navigeren op de website
- Hoofdstuk 7
 - State Management met vuex
- Hoofdstuk 8
 - Deployment – uitrollen naar productieserver



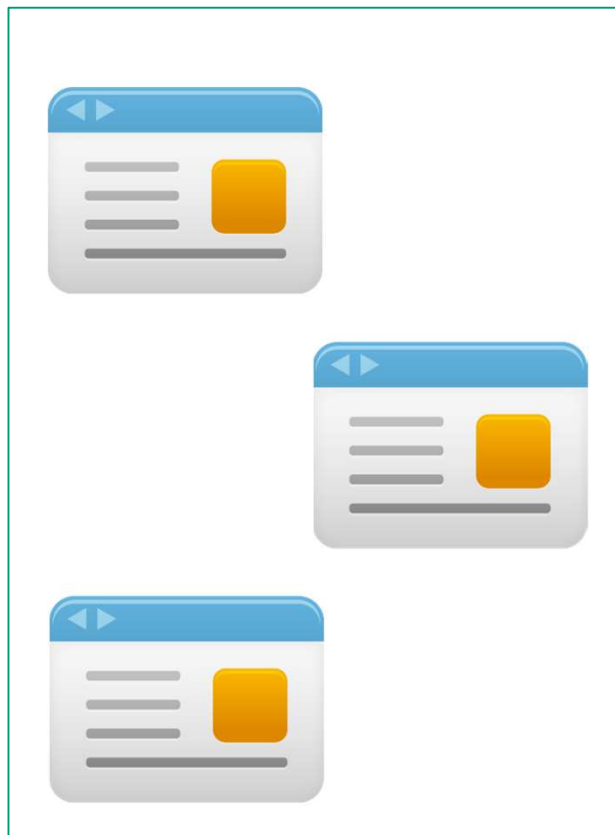
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MEDIA

“Theorie”

Enkele achtergronden bij Vue –
zicht op het grotere geheel



Vorige generatie frameworks (ca. 1995-2012)



Separate (enhanced) web
pages

Index.html

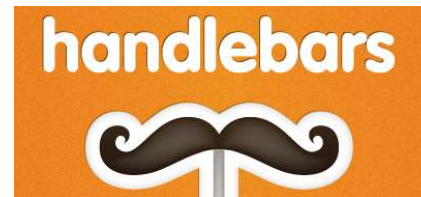
Contact.html

Products.html

...

Old school web apps

HTML + templates



Data Binding



Routing



DOM-manipulation

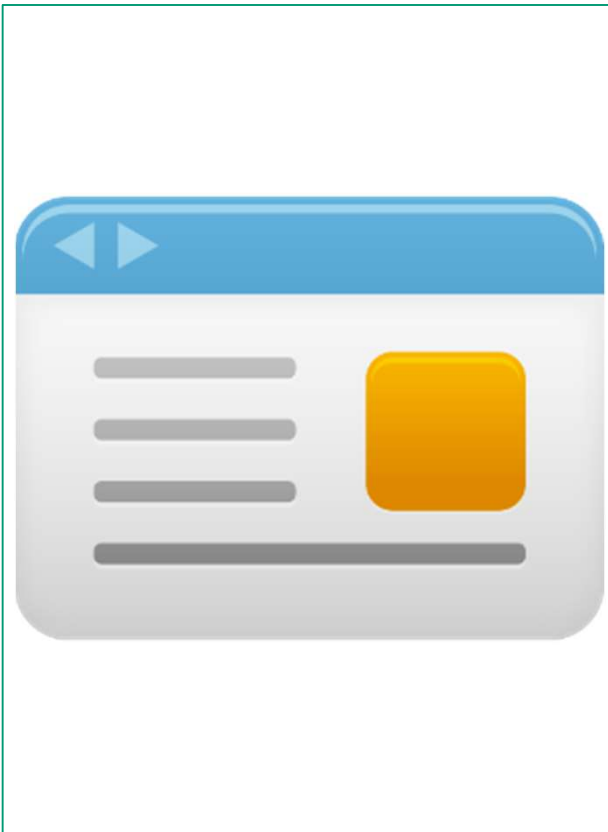


Mobile development



...

Huidige generatie (ca. 2012 - ...)



Integrated, framework
approach:

Templating

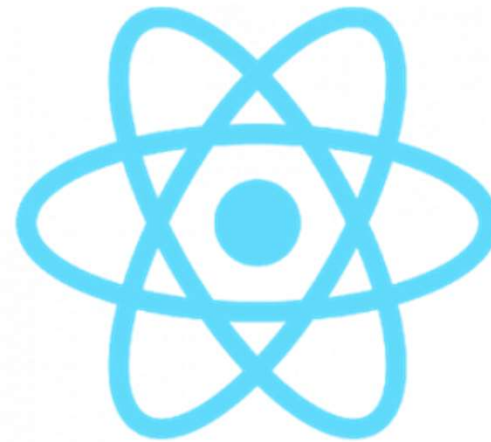
Scripting

Data binding

Routing

...

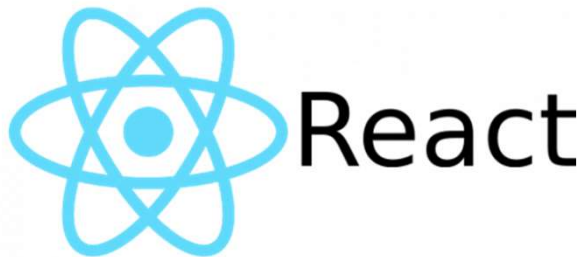
Front-end Frameworks – the big four



React



Overeenkomsten

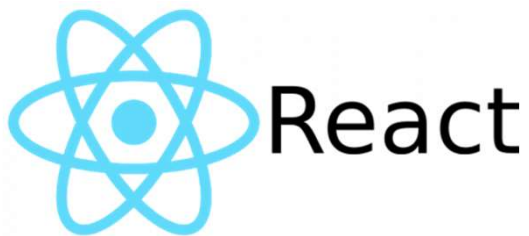


- Creating Single Page Applications
- Based on components
- Data binding, props, events, routing, state management, ...
- Huge ecosystem
- Huge community
- High adaptation rate

Verschillen (anders dan syntax)

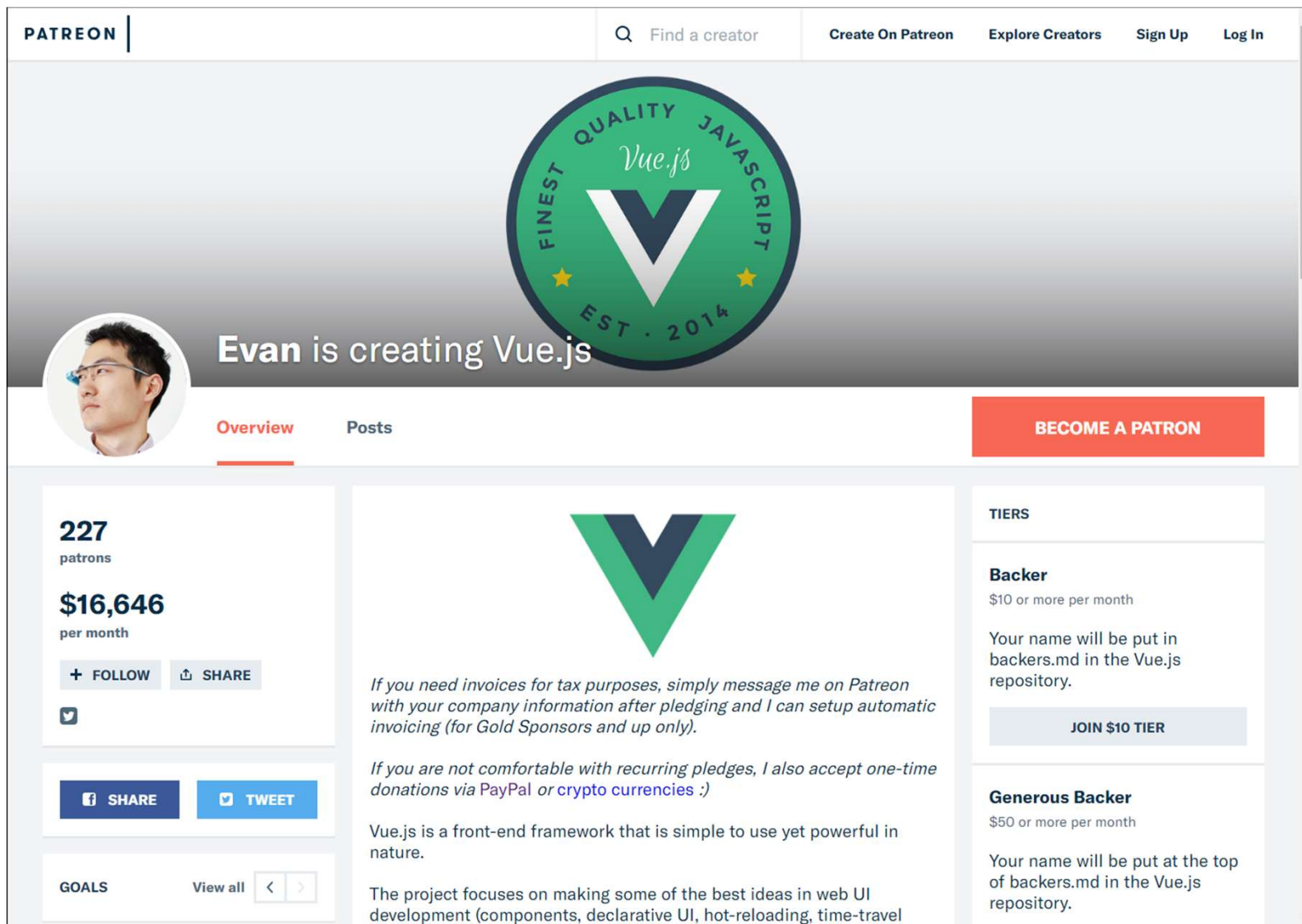


- Point of departure: **HTML template**, enhanced with framework specific tags and attributes
- One-stop-shop / solution




- Point of departure: **JavaScript**, JavaScript, JavaScript (JSX)
- Build-all-yourself

Vue.js – Created by Evan You



The image is a screenshot of the Vue.js Patreon page. At the top, the Patreon logo is on the left, and a search bar with the text "Find a creator" is in the center. To the right of the search bar are links for "Create On Patreon", "Explore Creators", "Sign Up", and "Log In". Below the navigation bar is a large header section. On the left of this section is a circular profile picture of Evan You. To the right of the picture, the text "Evan is creating Vue.js" is displayed. In the center of the header is a large circular logo for Vue.js. The logo is green with a white "V" in the center. The text "FINEST QUALITY JAVASCRIPT" is written around the top inner edge of the circle, and "EST. 2014" is at the bottom. Below the header section, there are two tabs: "Overview" (which is selected and underlined) and "Posts". To the right of these tabs is a red button that says "BECOME A PATRON". Below the tabs, the page is divided into three main columns. The left column contains statistics: "227 patrons" and "\$16,646 per month". Below these are buttons for "+ FOLLOW" and "SHARE" (with a share icon). There is also a small Twitter icon. Below the statistics are social media share buttons for Facebook ("f SHARE") and Twitter ("TWEET"). At the bottom of the left column is a "GOALS" section with a "View all" link and navigation arrows. The middle column features a large green and blue "V" logo. Below the logo, there is a paragraph of text: "If you need invoices for tax purposes, simply message me on Patreon with your company information after pledging and I can setup automatic invoicing (for Gold Sponsors and up only).". Below this is another paragraph: "If you are not comfortable with recurring pledges, I also accept one-time donations via PayPal or crypto currencies :)". Below that is a paragraph: "Vue.js is a front-end framework that is simple to use yet powerful in nature.". At the bottom of the middle column is a paragraph: "The project focuses on making some of the best ideas in web UI development (components, declarative UI, hot-reloading, time-travel". The right column is titled "TIERS". It contains two tiers: "Backer" and "Generous Backer". The "Backer" tier is described as "\$10 or more per month" and includes the text "Your name will be put in backers.md in the Vue.js repository.". Below this description is a button that says "JOIN \$10 TIER". The "Generous Backer" tier is described as "\$50 or more per month" and includes the text "Your name will be put at the top of backers.md in the Vue.js repository.".

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 Evan is creating Vue.js

[Overview](#) [Posts](#) [BECOME A PATRON](#)

227
patrons


\$16,646
per month

[+ FOLLOW](#) [SHARE](#)



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GOALS [View all](#) [<](#) [>](#)



If you need invoices for tax purposes, simply message me on Patreon with your company information after pledging and I can setup automatic invoicing (for Gold Sponsors and up only).

If you are not comfortable with recurring pledges, I also accept one-time donations via PayPal or crypto currencies :)

Vue.js is a front-end framework that is simple to use yet powerful in nature.

The project focuses on making some of the best ideas in web UI development (components, declarative UI, hot-reloading, time-travel

TIERS

Backer
\$10 or more per month

Your name will be put in backers.md in the Vue.js repository.

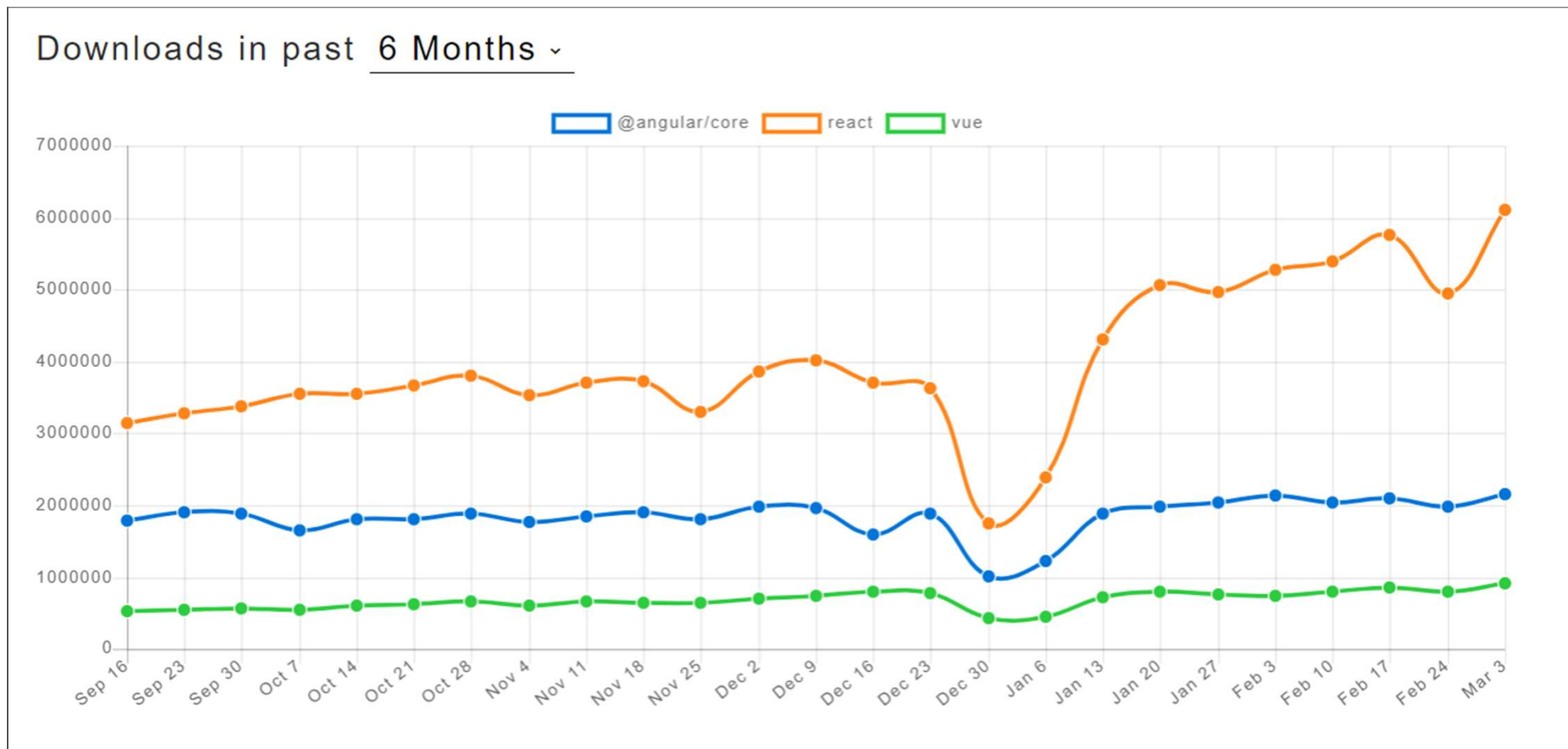
[JOIN \\$10 TIER](#)

Generous Backer
\$50 or more per month

Your name will be put at the top of backers.md in the Vue.js repository.

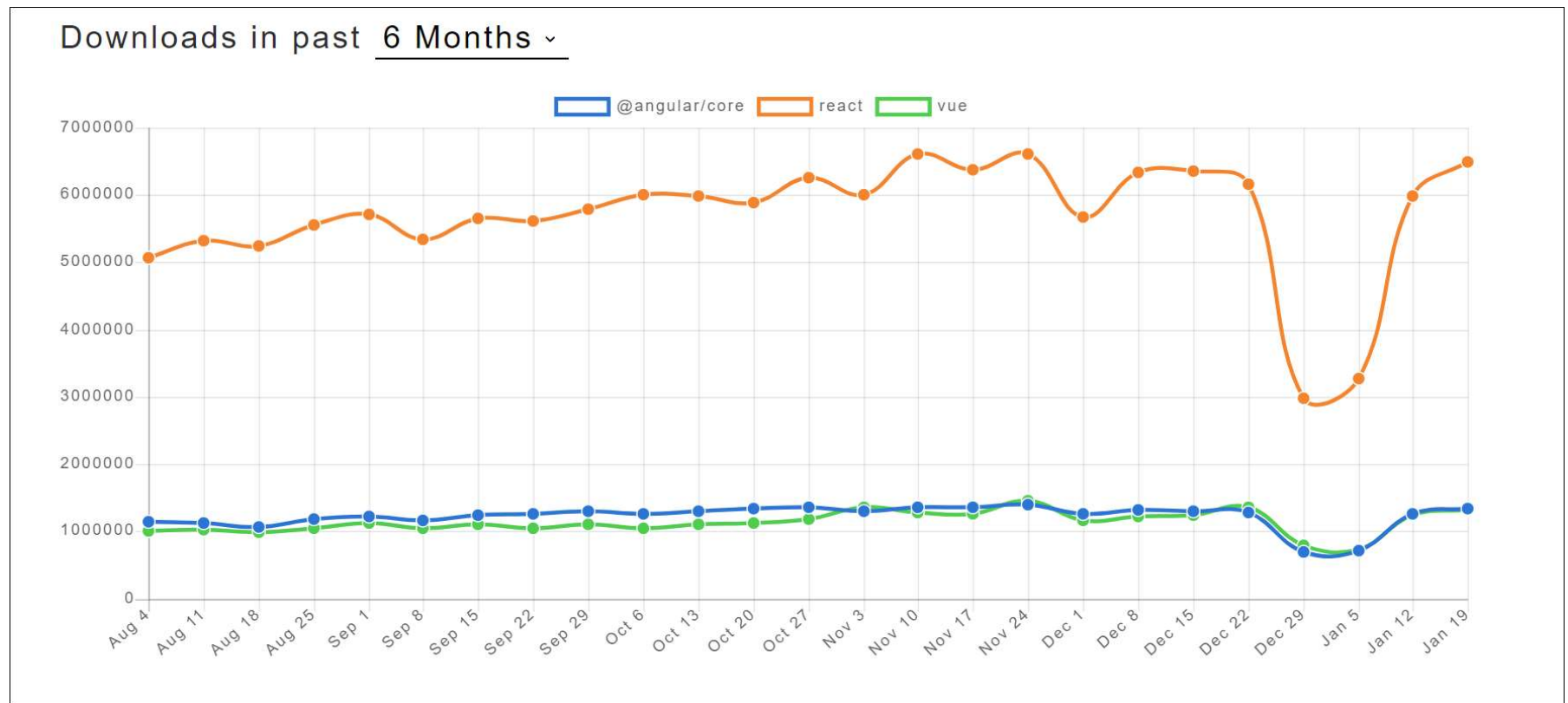
No backing from company with deep pockets – all crowd funded

A 2019 comparison



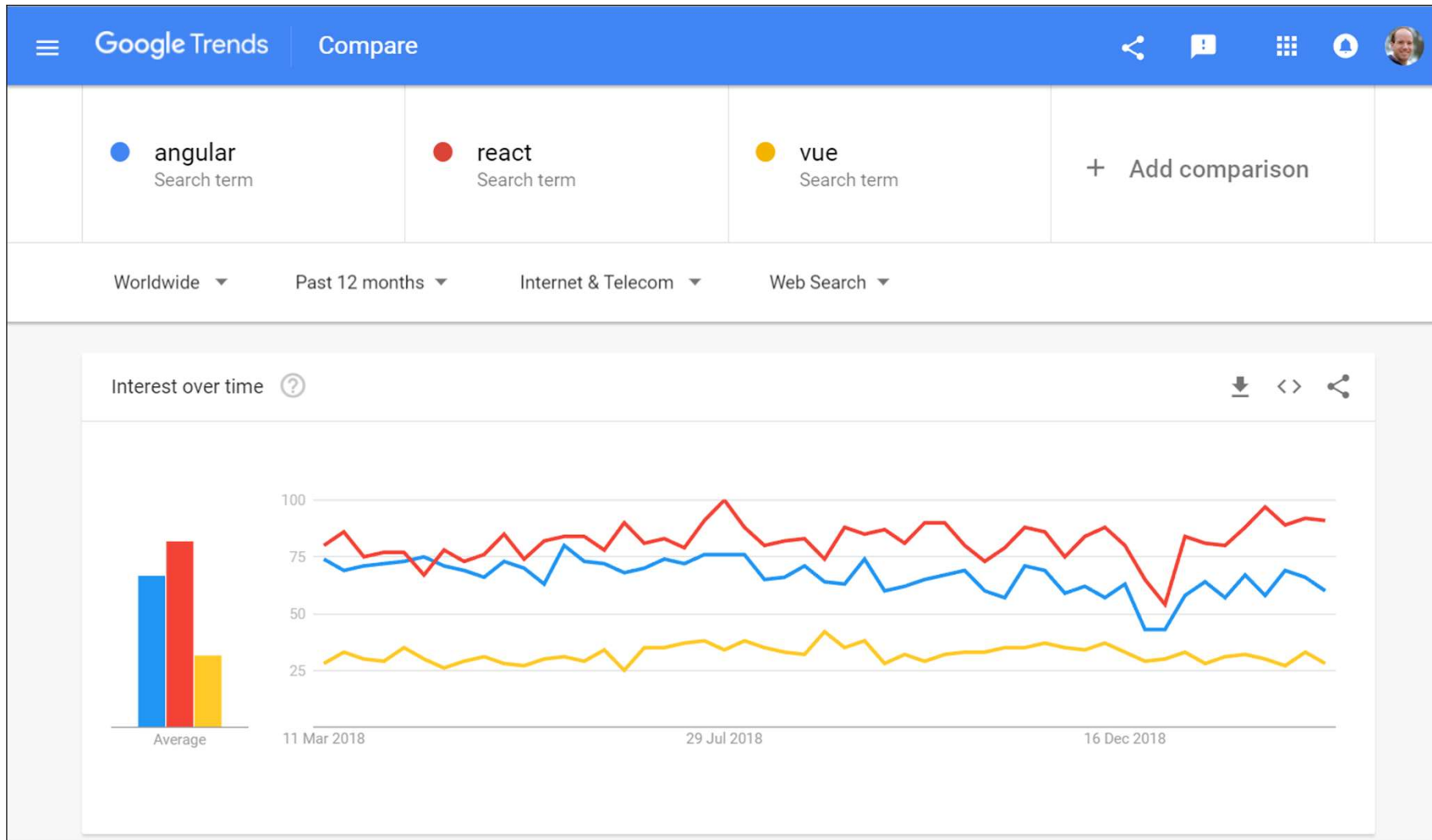
<https://www.npmtrends.com/@angular/core-vs-react-vs-vue>

A 2021 comparison



<https://www.npmtrends.com/@angular/core-vs-react-vs-vue>

Google Trends



<https://trends.google.com/trends/explore?cat=13&q=angular,react,vue>

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Angular vs React vs Vue: Which Framework to Choose in 2020

by  **Shaumik Daityari** / updated: august 9, 2020 / [web & app frameworks](#)

This post is a comprehensive guide on which is perhaps the right solution for you: **Angular vs React vs Vue**.

Just a couple of years ago, developers were mainly debating on whether they should be using Angular vs React for their projects. But over the course of the last couple of years, we saw a growth of interest in a third player called Vue.js.

If you are a **developer starting out** on a project and cannot decide on which JavaScript framework to use, this guide should help you make a decision.

We cover various aspects of Angular, Vue, and React to see how they suit your needs. This post is not just a guide on Angular vs React vs Vue but aims to provide a structure to help judge front-end JavaScript frameworks in general. In case a new framework



Which #javascript framework to choose in 2019: @angular vs @vuejs vs @reactjs

[CLICK TO TWEET](#) 

<https://www.codeinwp.com/blog/angular-vs-vue-vs-react/>

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Internet & TV >

Internet & Online TV >



Service

Storingen >

Wifi verbeteren >

Meer service >



Veelgezocht

Aanbiedingen >

Gigabit >

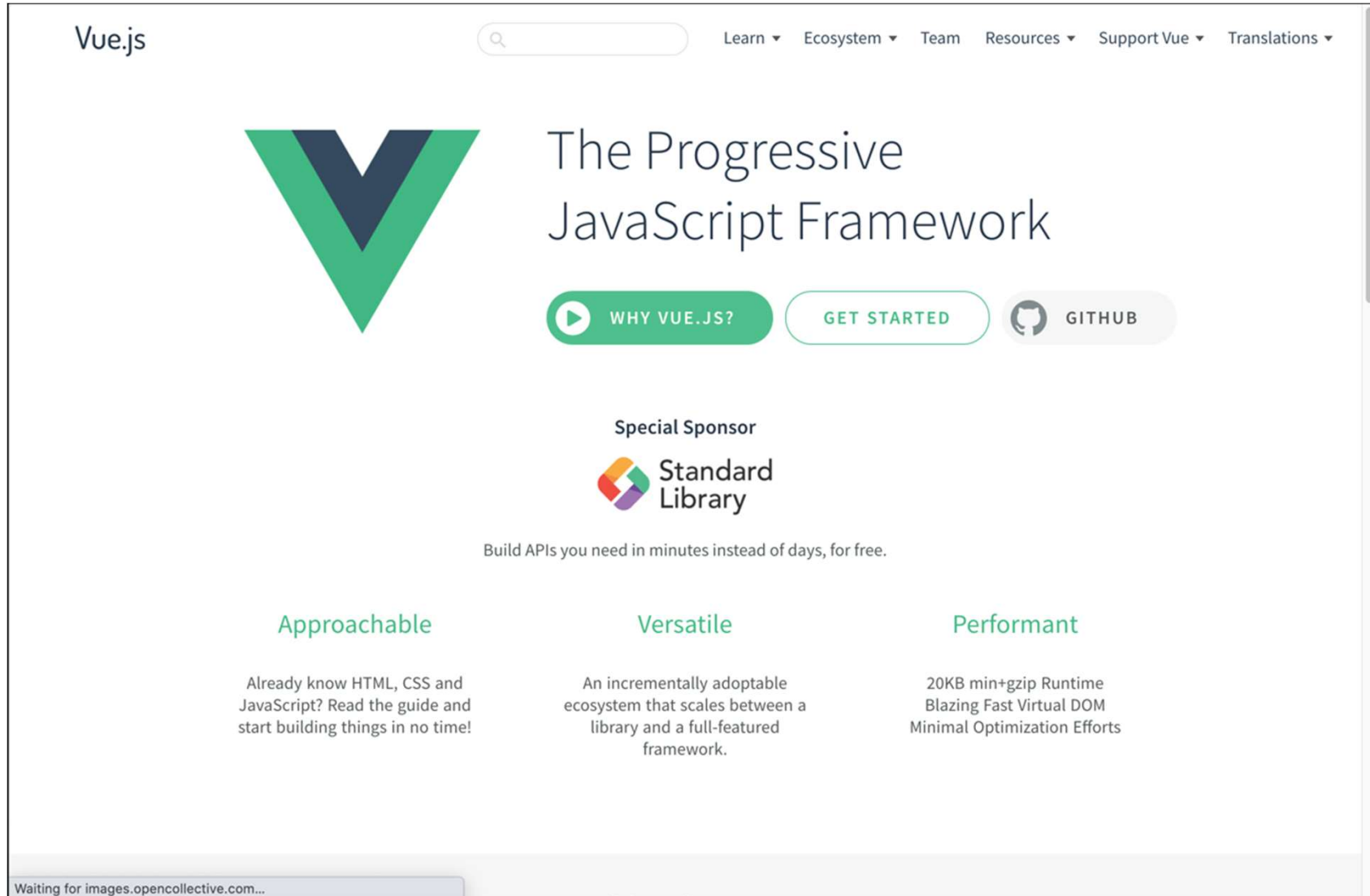
Speedtest >



Over Vue.js versies

Vue.js groeit

Huidige meestgebruikte versie – Vue 2.x



Ook beschikbaar – Vue 3

Nieuwe features

Betere performance

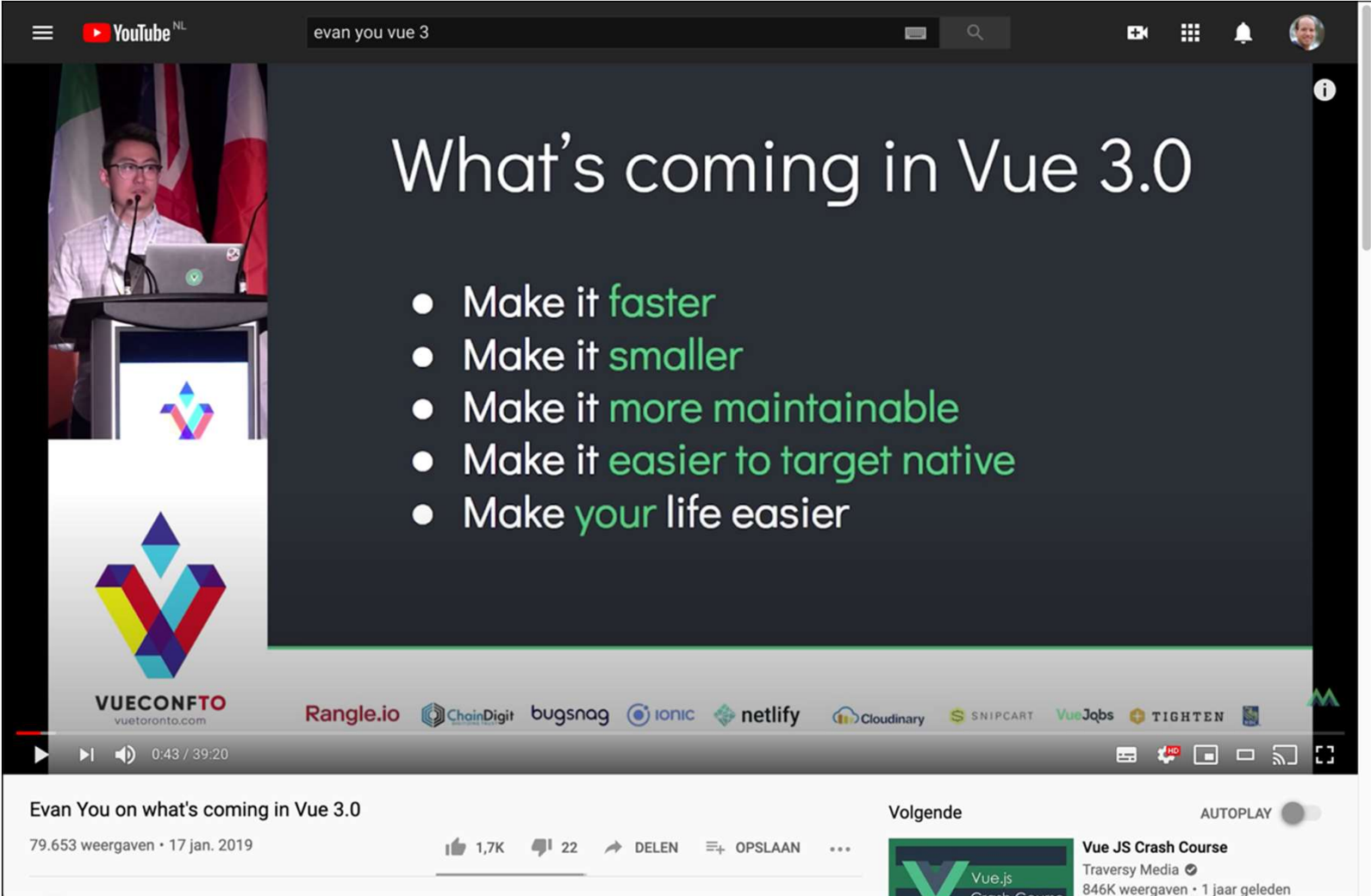
Backward compatible

Nieuwe eigenschappen zijn *opt-in*



status: **Officially Released**, in oktober 2020, maar nog steeds in
beginstadium

Evan You over Vue 3



The image shows a YouTube video player interface. The video title is "Evan You on what's coming in Vue 3.0". The video content features Evan You at a podium on the left and a presentation slide on the right. The slide is titled "What's coming in Vue 3.0" and lists five bullet points: "Make it faster", "Make it smaller", "Make it more maintainable", "Make it easier to target native", and "Make your life easier". The video player includes a search bar at the top with the text "evan you vue 3", a progress bar at the bottom showing 0:43 / 39:20, and a list of sponsors including Rangle.io, ChainDigit, bugsnag, ionic, netlify, Cloudinary, SNIPART, VueJobs, and TIGHTEN. The video has 79,653 views and was uploaded on January 17, 2019. A suggested video, "Vue JS Crash Course" by Traversy Media, is shown in the bottom right corner.

YouTube NL

evan you vue 3

What's coming in Vue 3.0

- Make it faster
- Make it smaller
- Make it more maintainable
- Make it easier to target native
- Make your life easier

VUECONFTO
vuetoronto.com

Rangle.io ChainDigit bugsnag ionic netlify Cloudinary SNIPART VueJobs TIGHTEN

0:43 / 39:20

Evan You on what's coming in Vue 3.0

79.653 weergaven • 17 jan. 2019

1,7K 22 DELEN OPSLAAN

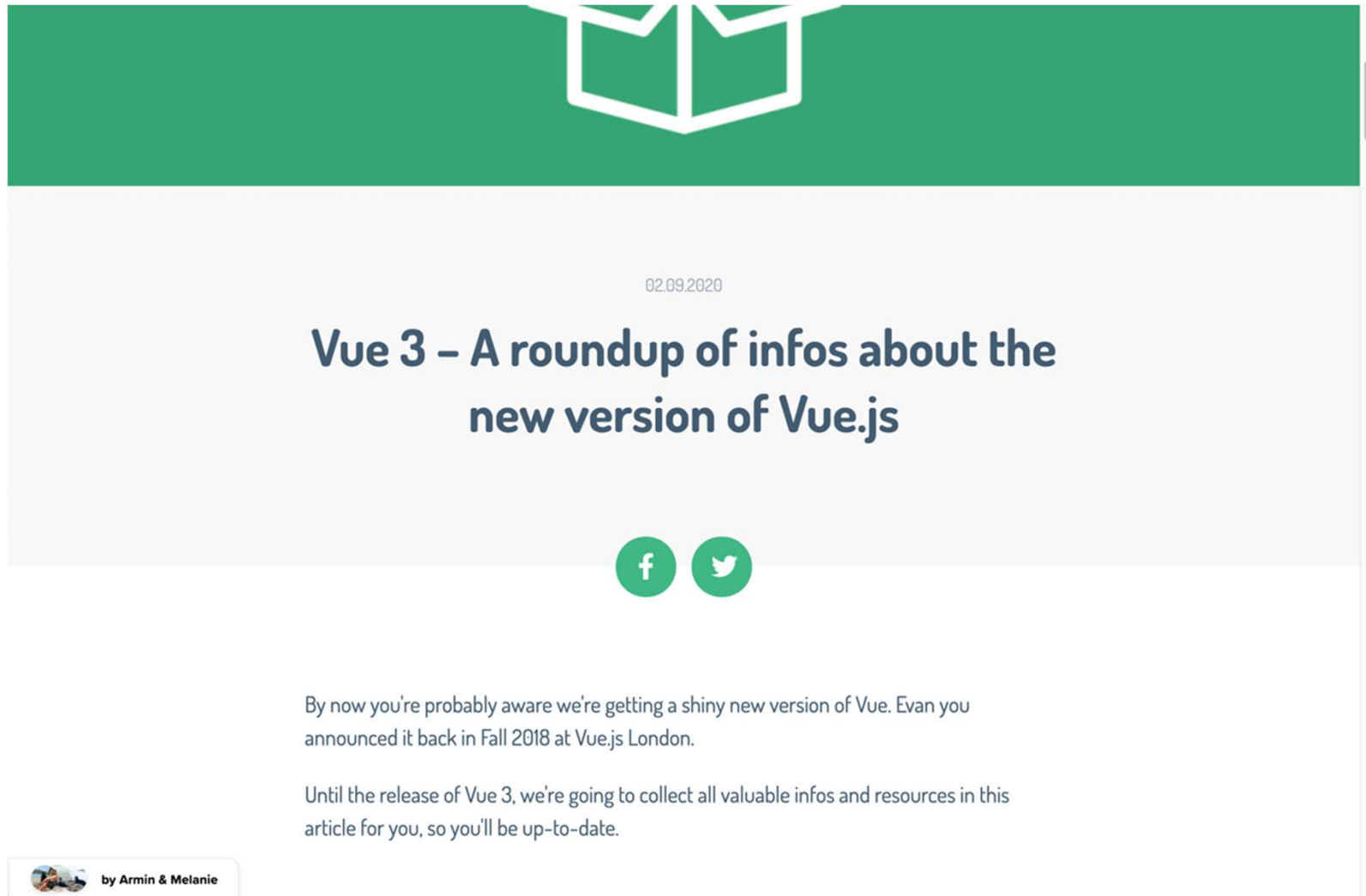
Volgende

AUTOPLAY

Vue JS Crash Course
Traversy Media
846K weergaven • 1 jaar geleden

<https://www.youtube.com/watch?v=8Hgt9HYaCDA>

More info/samenvatting Vue 3

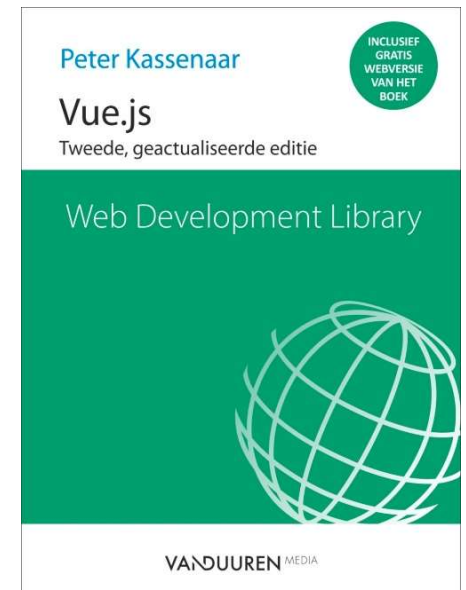


<https://madewithvuejs.com/blog/vue-3-roundup>

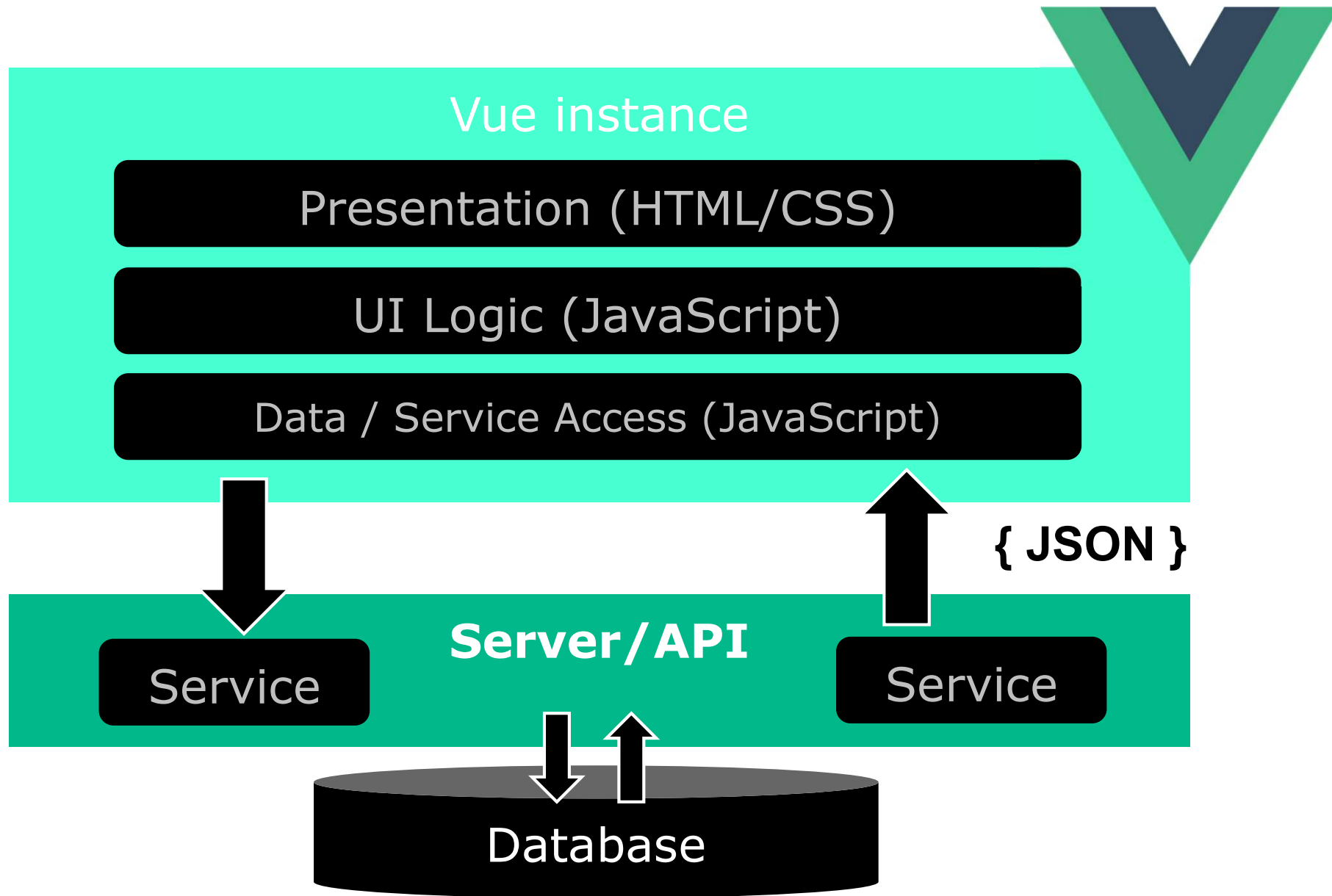


Vue application structure

Getting a conceptual understanding of the Vue app architecture



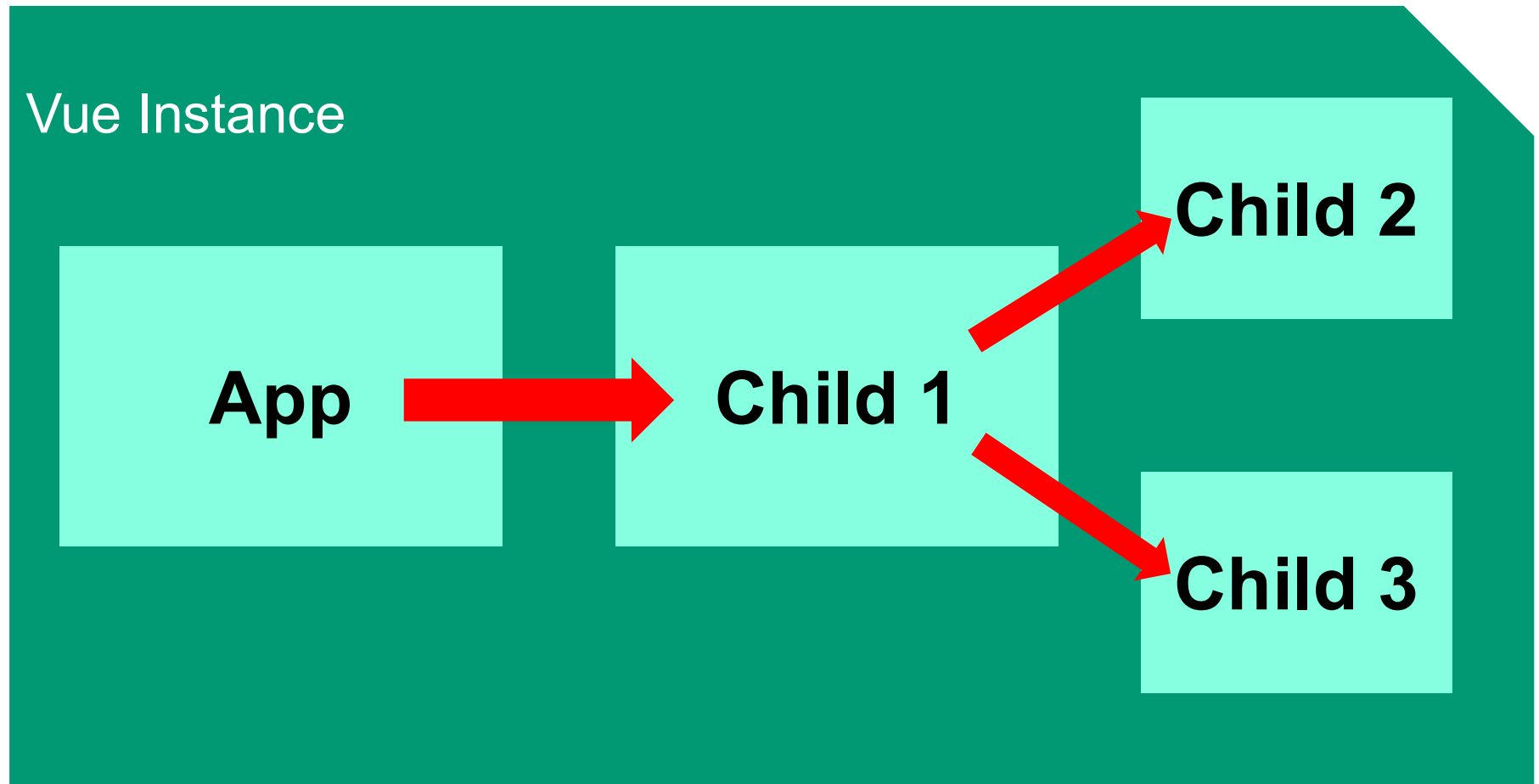
Single Page Application



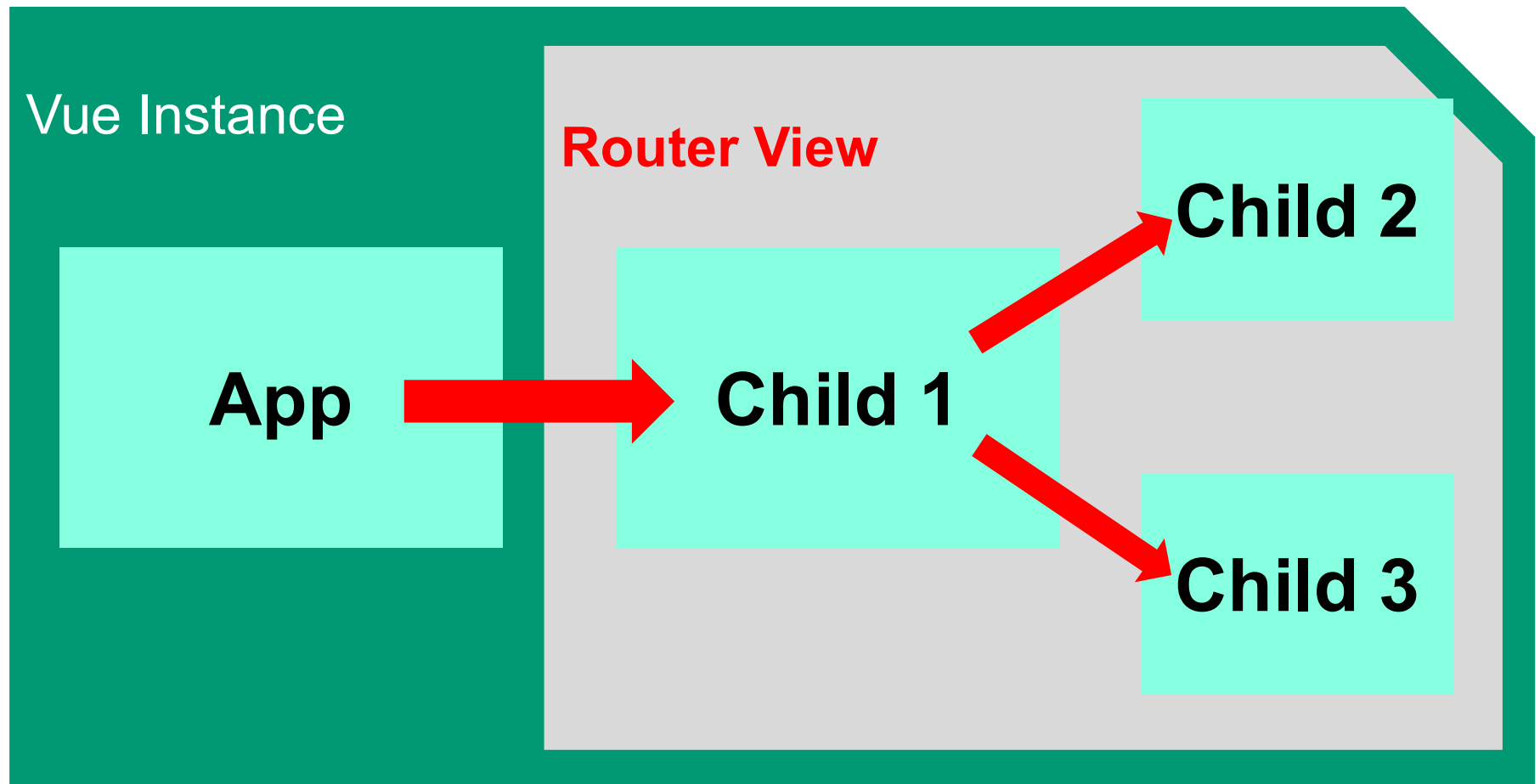
The Vue instance

- The heart of every application : the **Vue instance**
- Created whenever you call `new Vue()` in your code
- Typical application: just 1 (one) Vue instance
 - File: `main.js`
- Pass in a configuration object
- Render the starting component. Typically, by calling
`new Vue({render : h => h(App) })`

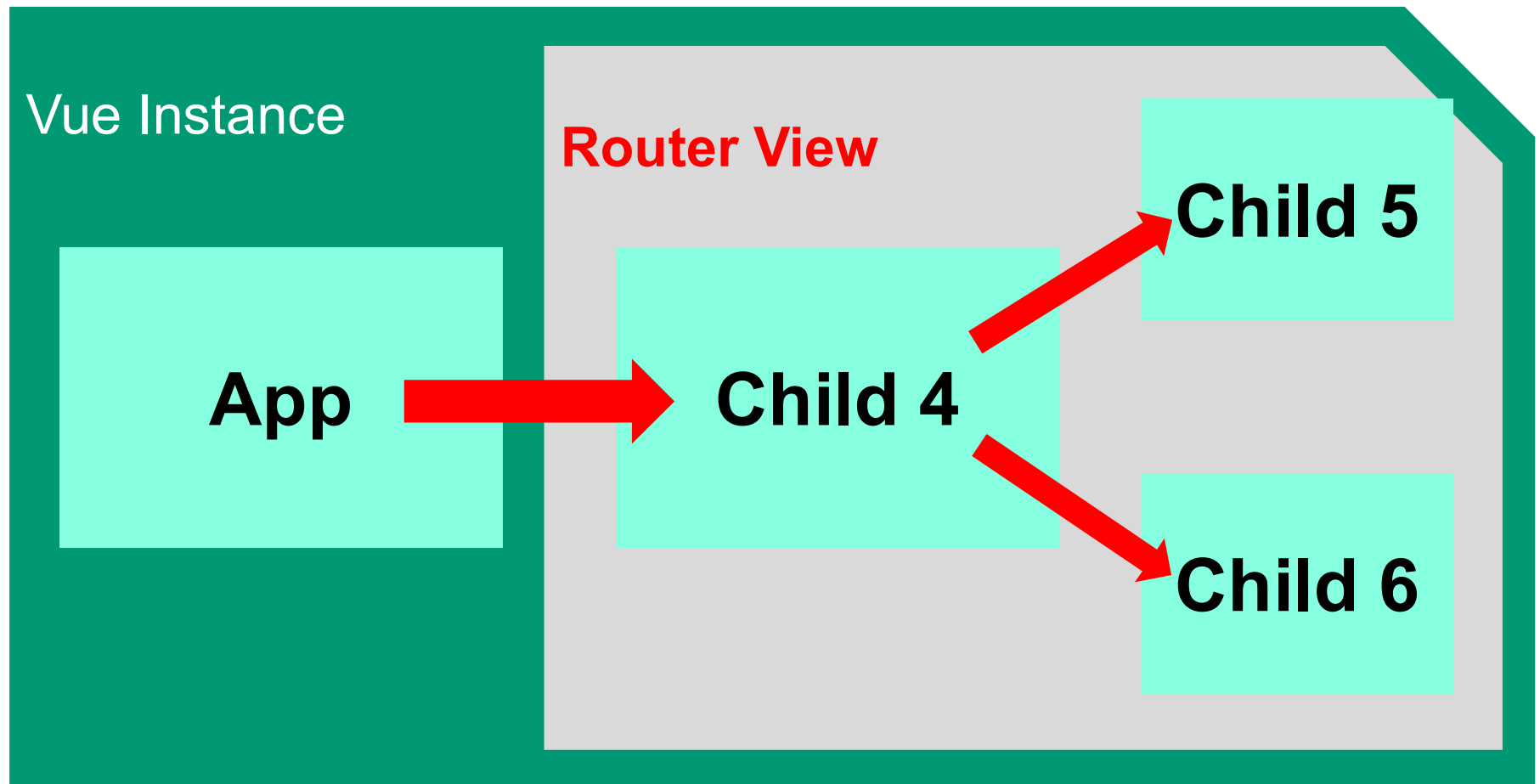
Visual of the Vue instance



Vue app with routing



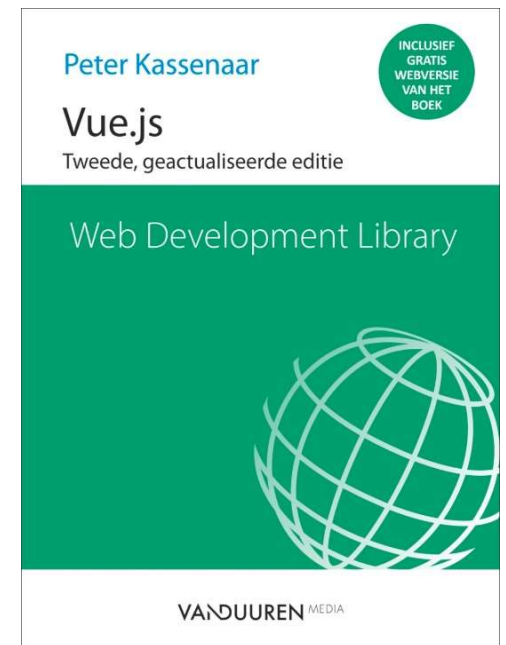
As the URL changes, content gets updated



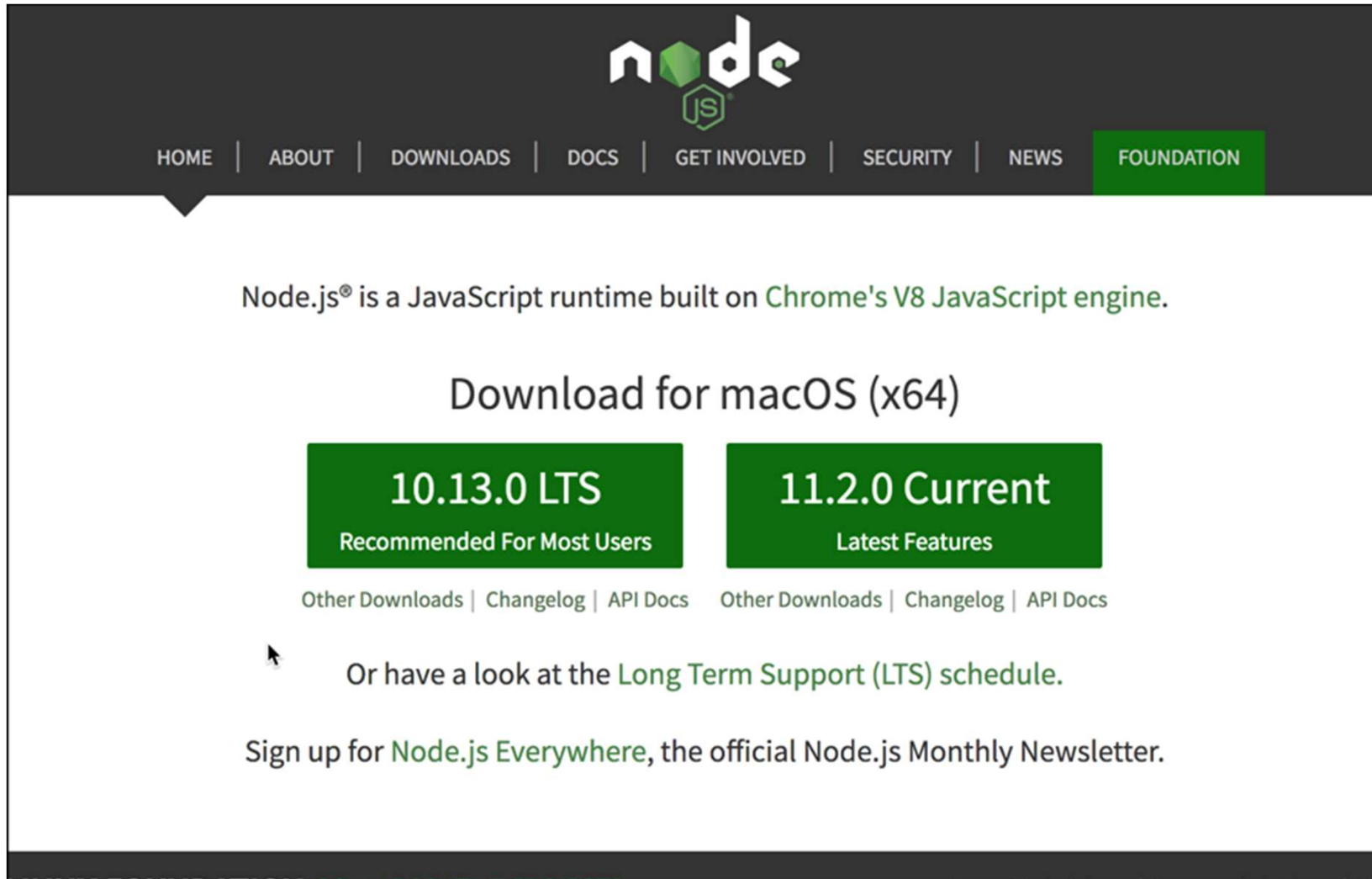


“Praktijk”

Applicaties maken, componenten,
communicatie



NodeJS



The screenshot shows the Node.js website homepage. At the top is a dark navigation bar with the Node.js logo and links for HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, NEWS, and FOUNDATION. The FOUNDATION link is highlighted in green. Below the navigation bar, the text reads: "Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine." The main heading is "Download for macOS (x64)". There are two green buttons: "10.13.0 LTS Recommended For Most Users" and "11.2.0 Current Latest Features". Below these buttons are links for "Other Downloads | Changelog | API Docs" for both versions. A mouse cursor points to the text "Or have a look at the Long Term Support (LTS) schedule." Below that is a sign-up prompt for "Node.js Everywhere, the official Node.js Monthly Newsletter."

node

HOME | ABOUT | DOWNLOADS | DOCS | GET INVOLVED | SECURITY | NEWS | FOUNDATION

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.

Download for macOS (x64)

10.13.0 LTS
Recommended For Most Users

11.2.0 Current
Latest Features

[Other Downloads](#) | [Changelog](#) | [API Docs](#) [Other Downloads](#) | [Changelog](#) | [API Docs](#)

Or have a look at the [Long Term Support \(LTS\) schedule](#).

Sign up for [Node.js Everywhere](#), the official Node.js Monthly Newsletter.

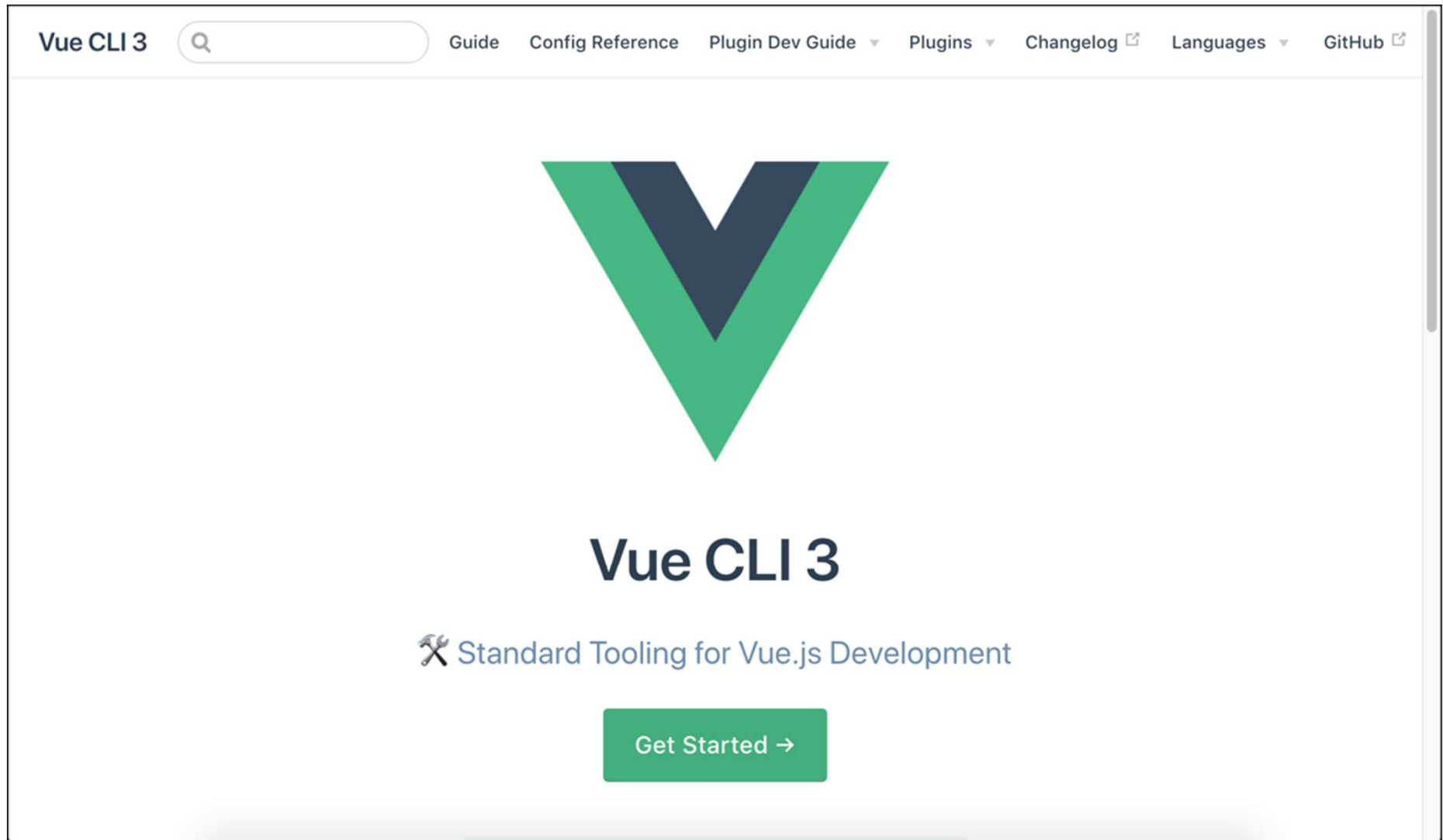
<https://nodejs.org/en/>

Vue CLI

- Scaffold new projects
- Add routing
- Add State management and so on
- Answer prompts when creating a new project
- <https://cli.vuejs.org/>

```
npm install -g @vue/cli
```


cli.vuejs.org



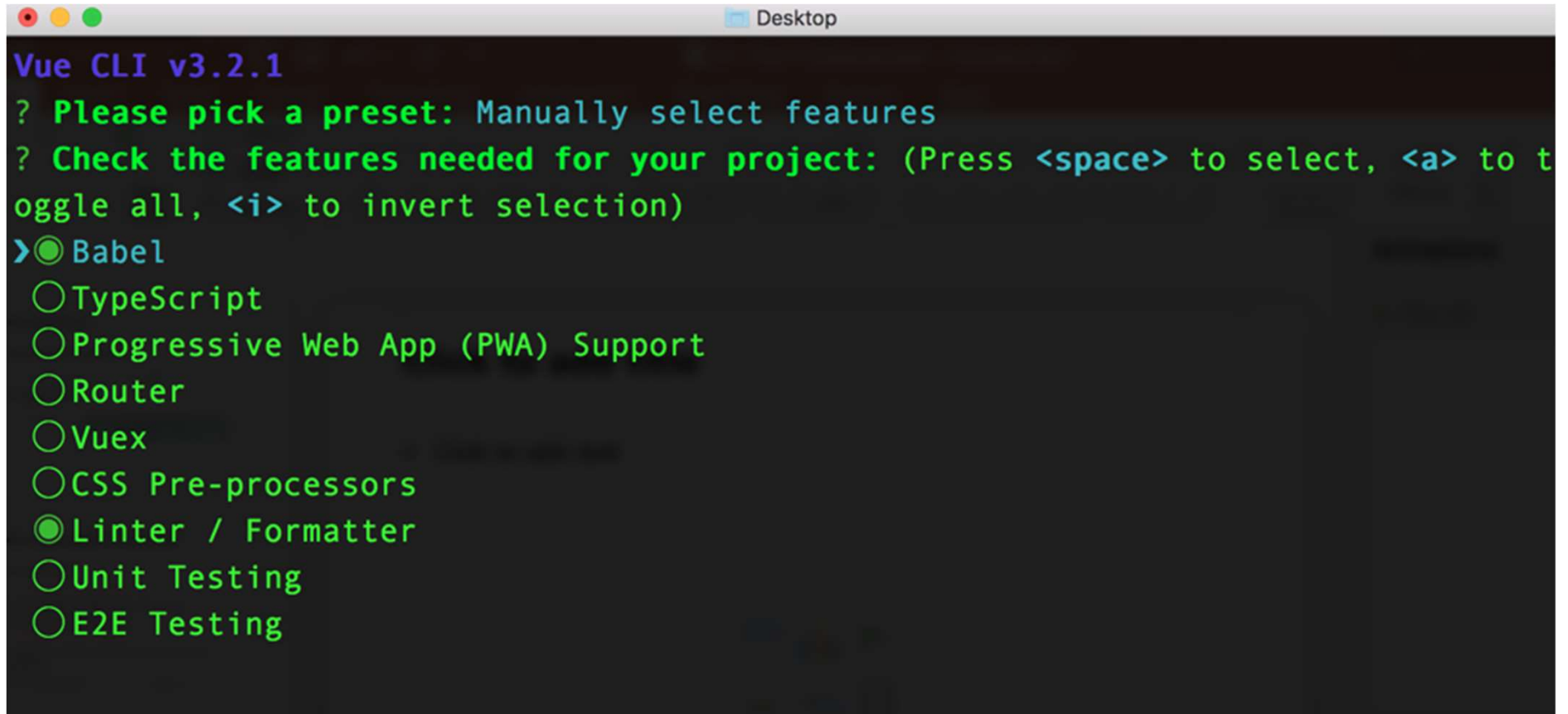
Installation of @vue/cli

```
MacBook-Pro:~ PeterKassenaar$ npm install -g @vue/cli
npm WARN deprecated hoek@5.0.4: This version is no longer maintained. Please upgrade to the latest version.
npm WARN deprecated cross-spawn-async@2.2.5: cross-spawn no longer requires a build toolchain, use it instead
MacBook-Pro:~ PeterKassenaar$ vue --version
3.1.3
MacBook-Pro:~ PeterKassenaar$
```

We're using the command line here

- Main command
 - `Vue create <app-name>`
- The CLI creates a folder with name for you
- Answer the prompt/questions
 - `Manually select features`
- Plugins can create / add their own features and questions
- You can add stuff (`router`, `vuex`) later on.

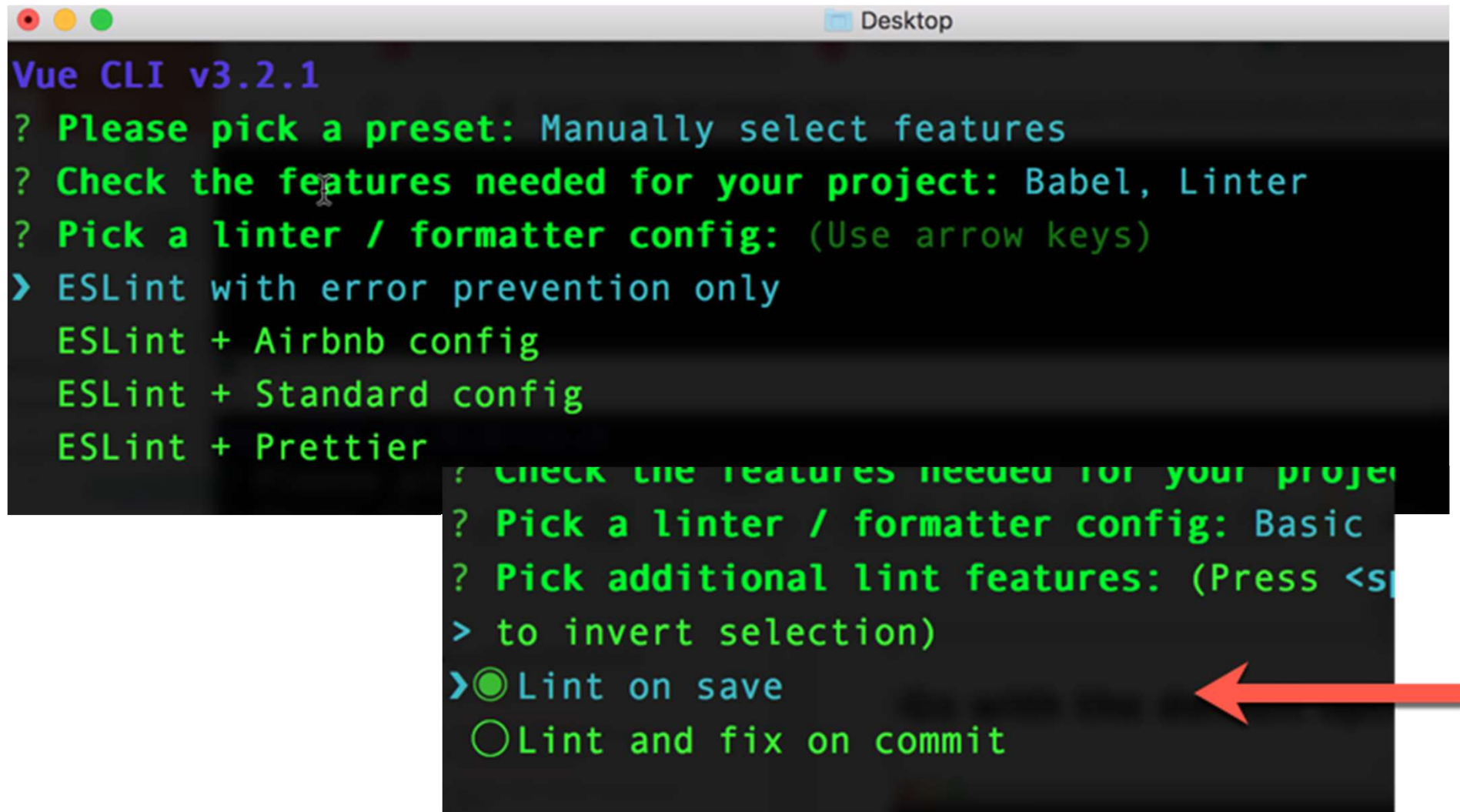
vue create my-vue-project



```
Vue CLI v3.2.1
? Please pick a preset: Manually select features
? Check the features needed for your project: (Press <space> to select, <a> to toggle all, <i> to invert selection)
> ☒ Babel
  ☐ TypeScript
  ☐ Progressive Web App (PWA) Support
  ☐ Router
  ☐ Vuex
  ☐ CSS Pre-processors
  ☒ Linter / Formatter
  ☐ Unit Testing
  ☐ E2E Testing
```

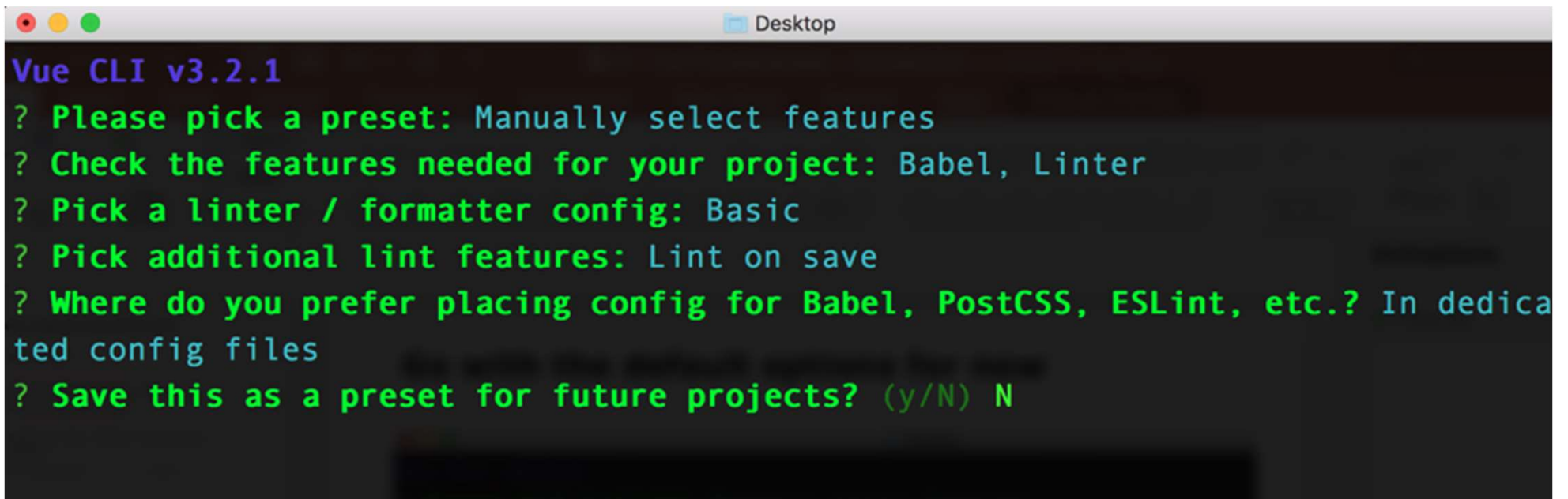
We're going to add Router and Vuex later

Go with the default options for now



```
Vue CLI v3.2.1
? Please pick a preset: Manually select features
? Check the features needed for your project: Babel, Linter
? Pick a linter / formatter config: (Use arrow keys)
> ESLint with error prevention only
  ESLint + Airbnb config
  ESLint + Standard config
  ESLint + Prettier
? Check the features needed for your project: Babel, Linter
? Pick a linter / formatter config: Basic
? Pick additional lint features: (Press <space> to invert selection)
> ☒ Lint on save
  ☐ Lint and fix on commit
```

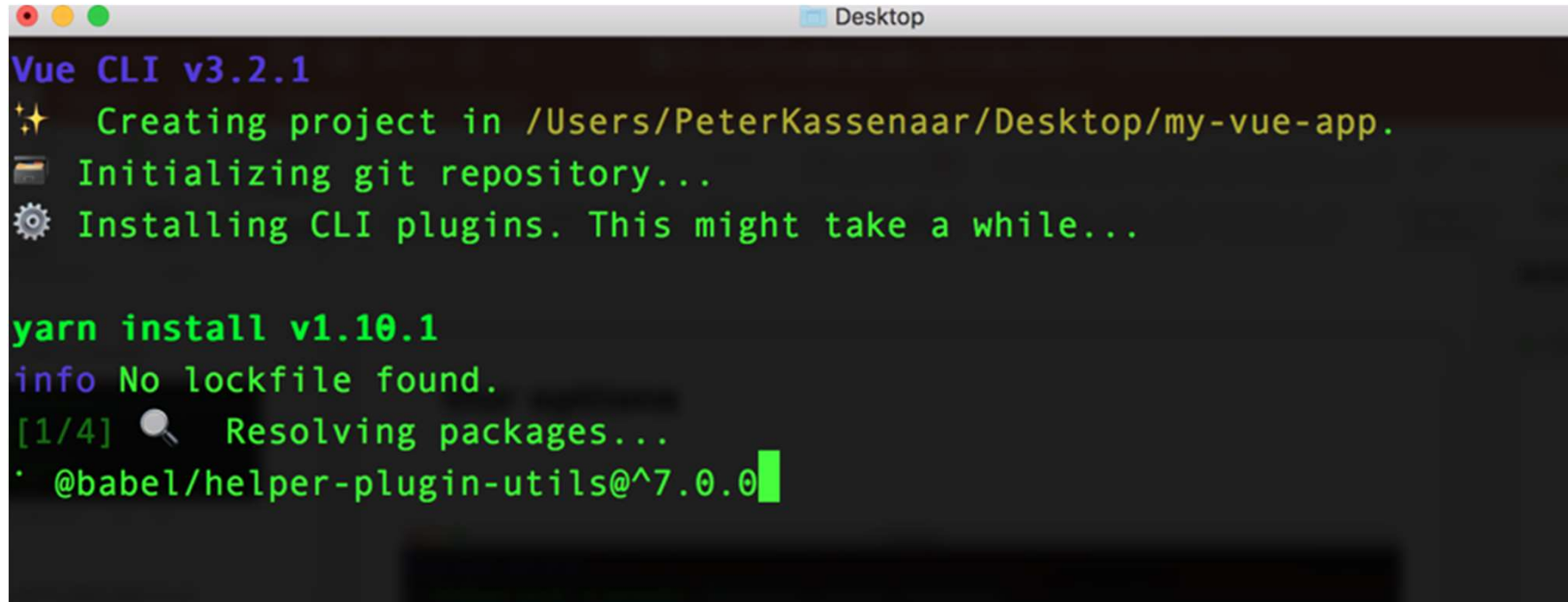
Our options



A screenshot of a terminal window titled "Desktop" showing the Vue CLI v3.2.1 installation process. The terminal displays a series of prompts in green text on a dark background. The prompts are: "Please pick a preset: Manually select features", "Check the features needed for your project: Babel, Linter", "Pick a linter / formatter config: Basic", "Pick additional lint features: Lint on save", "Where do you prefer placing config for Babel, PostCSS, ESLint, etc.? In dedicated config files", and "Save this as a preset for future projects? (y/N) N".

```
Vue CLI v3.2.1
? Please pick a preset: Manually select features
? Check the features needed for your project: Babel, Linter
? Pick a linter / formatter config: Basic
? Pick additional lint features: Lint on save
? Where do you prefer placing config for Babel, PostCSS, ESLint, etc.? In dedicated config files
? Save this as a preset for future projects? (y/N) N
```

Creating the project...

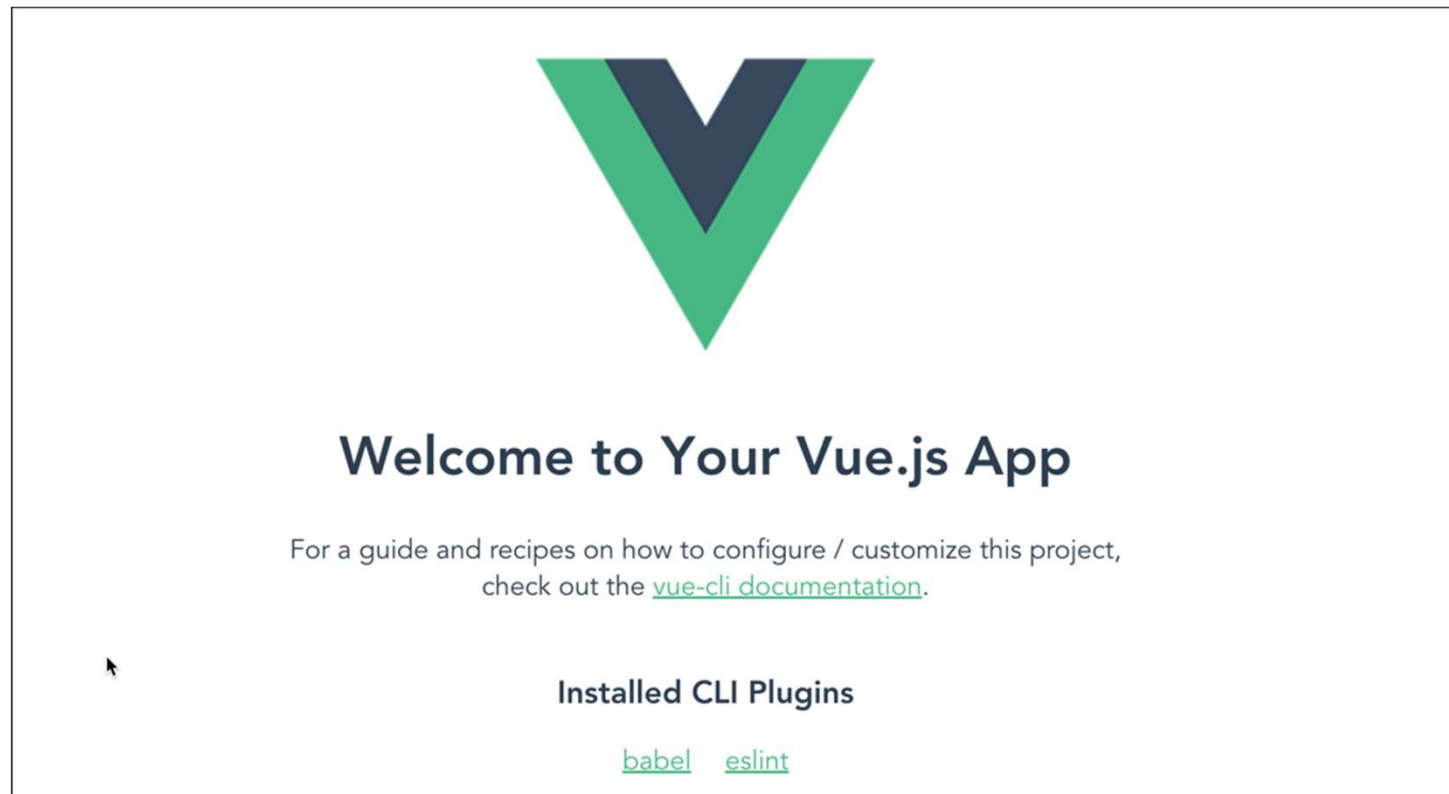
A terminal window titled 'Desktop' with a dark background and light green text. It shows the output of the 'vue create' command. The steps include creating the project in a specific directory, initializing a git repository, and installing CLI plugins. Below this, the 'yarn install' command is run, showing it's the first time installing (no lockfile found) and it's resolving packages. The first package resolved is '@babel/helper-plugin-utils@^7.0.0'.

```
Vue CLI v3.2.1
✨ Creating project in /Users/PeterKassenaar/Desktop/my-vue-app.
📁 Initializing git repository...
⚙️ Installing CLI plugins. This might take a while...

yarn install v1.10.1
info No lockfile found.
[1/4] 🔍 Resolving packages...
└─ @babel/helper-plugin-utils@^7.0.0
```

Start default project

- `npm run serve`
- <http://localhost:8080>



App.vue

```
<template>
  <div id="app">
    
    <HelloWorld msg="Welcome to Your Vue.js App" name="Peter"/>
  </div>
</template>
```

Template

```
<script>
import HelloWorld from './components/HelloWorld.vue'

export default {
  name: 'app',
  components: {
    HelloWorld
  }
}
</script>
```

Script

```
<style>
#app {
  font-family: 'Avenir', Helvetica, Arial, sans-serif;
  ...
}
</style>
```

Style

Components



Vue.js kernconcepten

- Componenten
- Props
- Variabelen/data/state
- Methodes
- Volgende stappen
 - Routing
 - State management
 - Deployment
 - Testing

Doelen gehaald?

High level overview van Vue.js

*Enige praktische kennis van
Vue.js*

Q & A



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