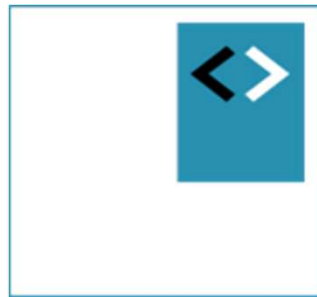




# Vue.js 2e editie

VANDUUREN  
MEDIA



Peter Kassenaar –  
[info@kassenaar.com](mailto: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](http://www.kassenaar.com)

[info@kassenaar.com](mailto:info@kassenaar.com)

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



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delta lloyd

zenito  
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woonbron

ROC West-Brabant

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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, has 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 presentative 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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# Vue.js

Tweede, geactualiseerde editie

Web Development Library



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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

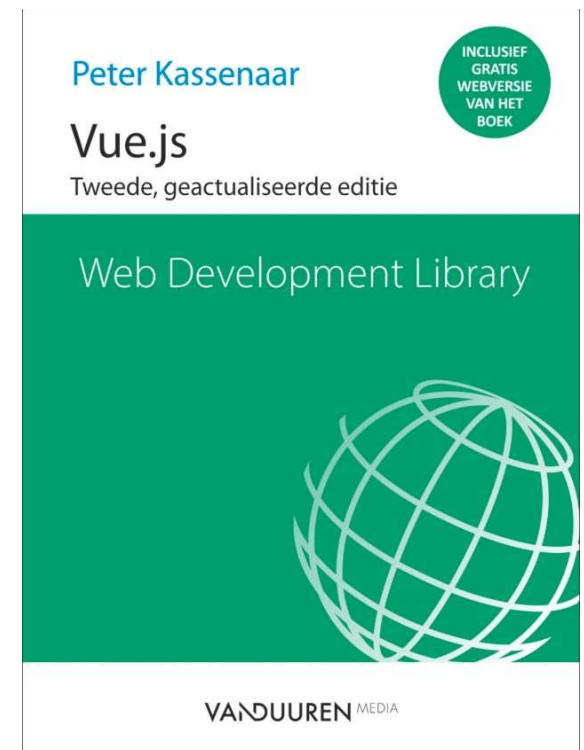
# Indeling van het boek

- 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

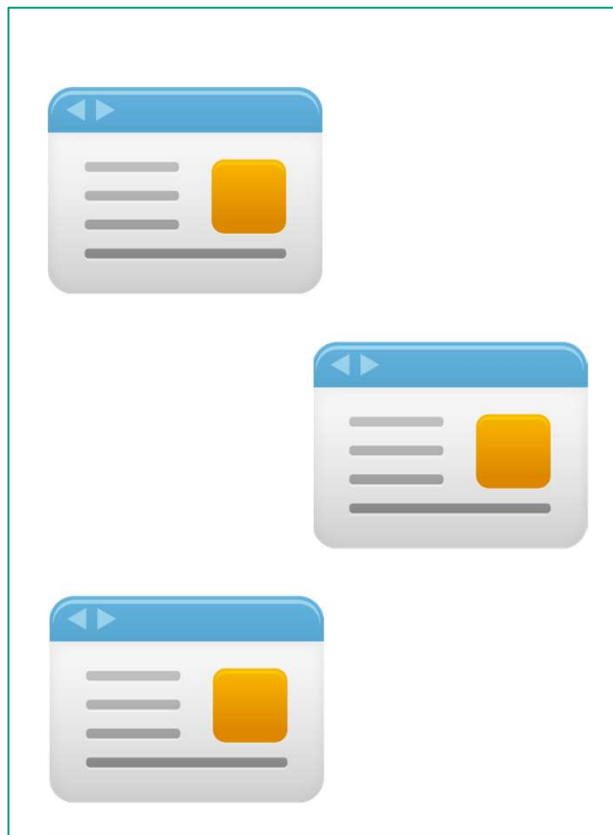


# “Theorie”

Enkele achtergronden bij Vue –  
zicht op het grotere geheel



# Vorige generatie frameworks (ca. 1995-2012)



Separate (enhanced) web  
pages

Index.html

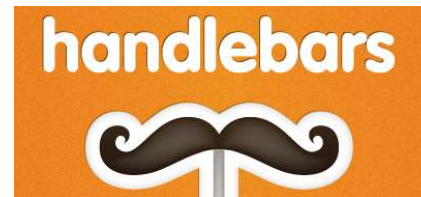
Contact.html

Products.html

...

# Old school web apps

HTML + templates



Data Binding



Routing



DOM-manipulation



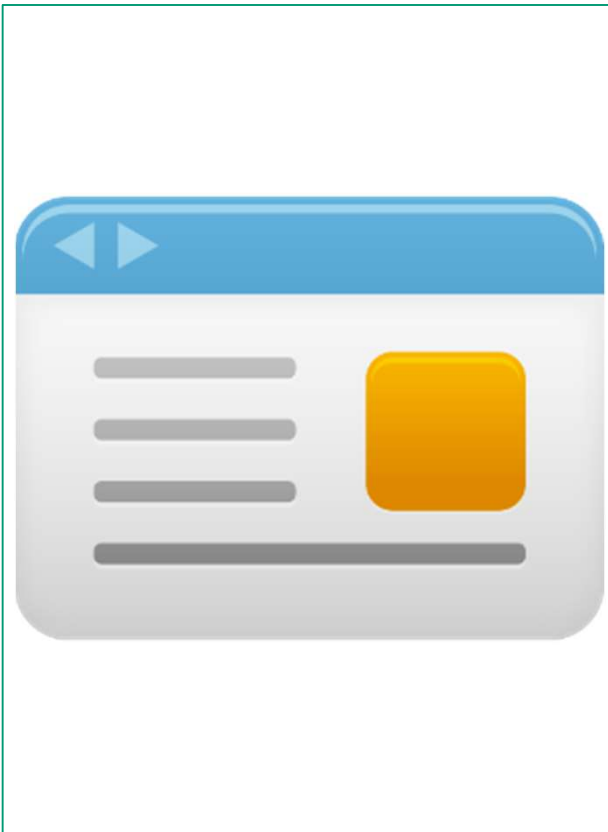
Mobile development



...



# Huidige generatie (ca. 2012 - ...)



Integrated, framework  
approach:

Templating

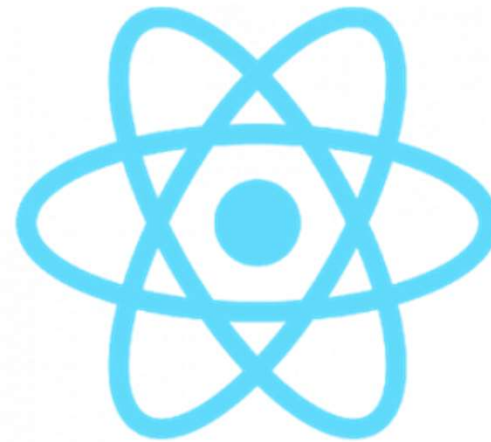
Scripting

Data binding

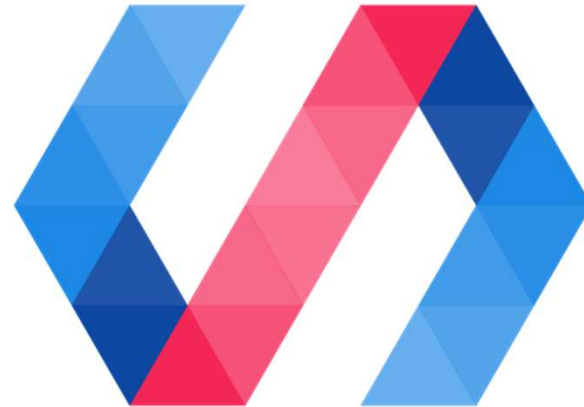
Routing

...

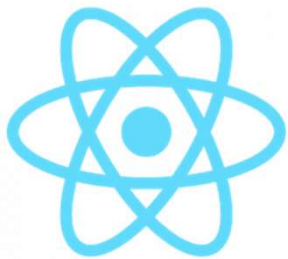
# Front-end Frameworks – the big four



React



# Overeenkomsten



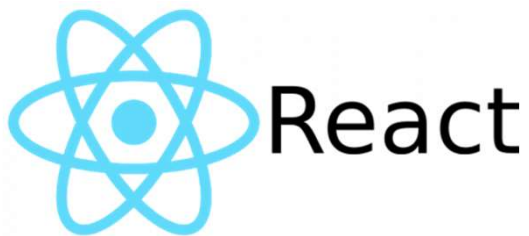
React

- 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)

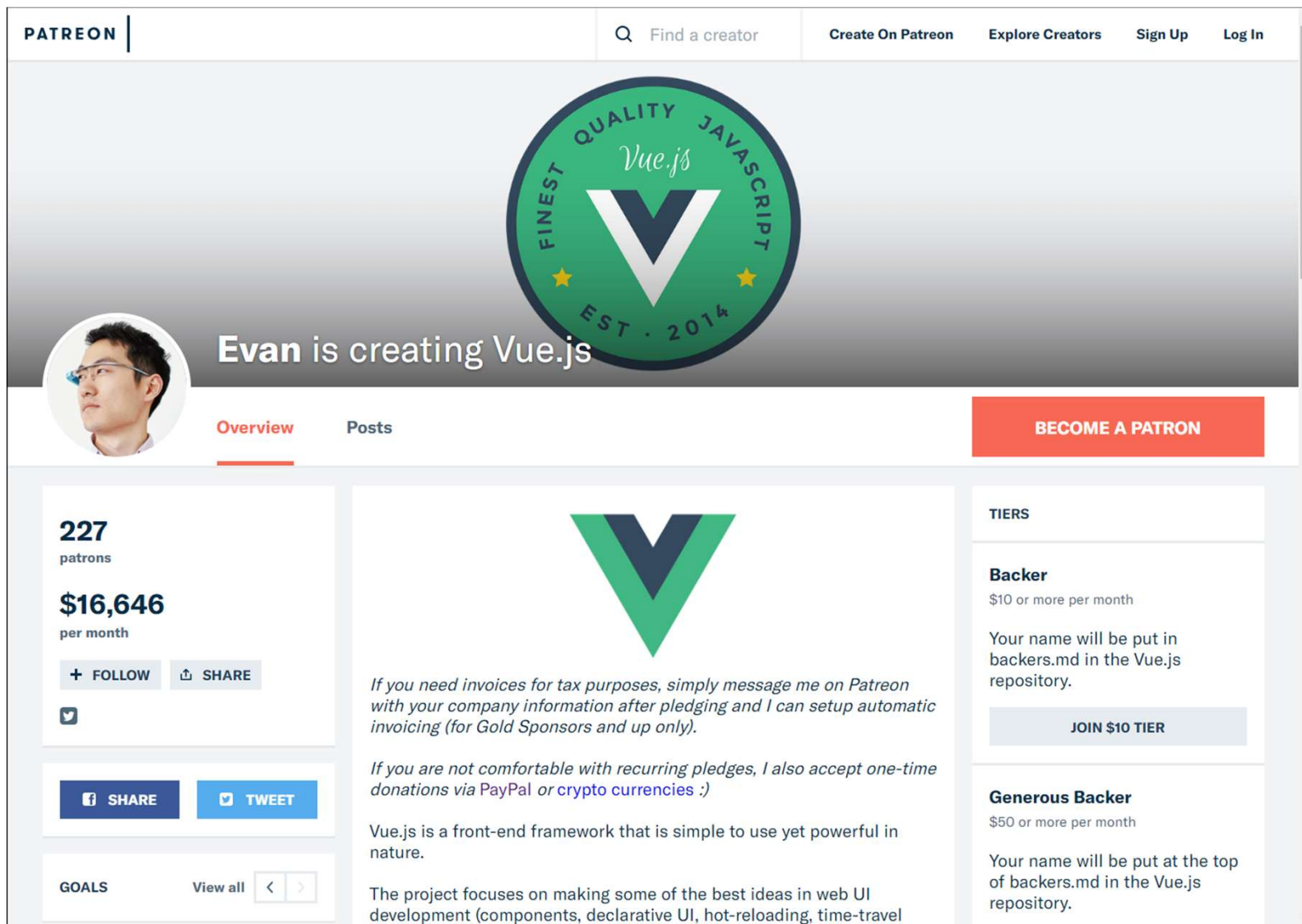


- Point of departure: **HTML template**, enhanced with framework specific tags and attributes
- One-stop-shop / solution



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

# Vue.js – Created by Evan You



The screenshot shows the Vue.js Patreon page. At the top, the Patreon logo is on the left, and a search bar with 'Find a creator' is in the center. To the right are links for 'Create On Patreon', 'Explore Creators', 'Sign Up', and 'Log In'. The main header features a large circular logo with 'FINEST QUALITY JAVASCRIPT' around the top, 'Vue.js' in the center, and 'EST. 2014' at the bottom. Below the logo, a profile picture of Evan You is on the left, and the text 'Evan is creating Vue.js' is on the right. Below the profile picture are tabs for 'Overview' (selected) and 'Posts'. A red button labeled 'BECOME A PATRON' is on the right. The left sidebar shows '227 patrons' and '\$16,646 per month', with buttons for '+ FOLLOW' and 'SHARE'. Below this are social media share buttons for Facebook and Twitter. The main content area features a large green and blue 'V' logo, followed by text about invoicing and one-time donations. The right sidebar lists two tiers: 'Backer' (\$10 or more per month) and 'Generous Backer' (\$50 or more per month), each with a description and a 'JOIN' button.

**227**  
patrons

**\$16,646**  
per month

+ FOLLOW SHARE

f SHARE TWEET

**GOALS** View all < >

**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.

*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).*

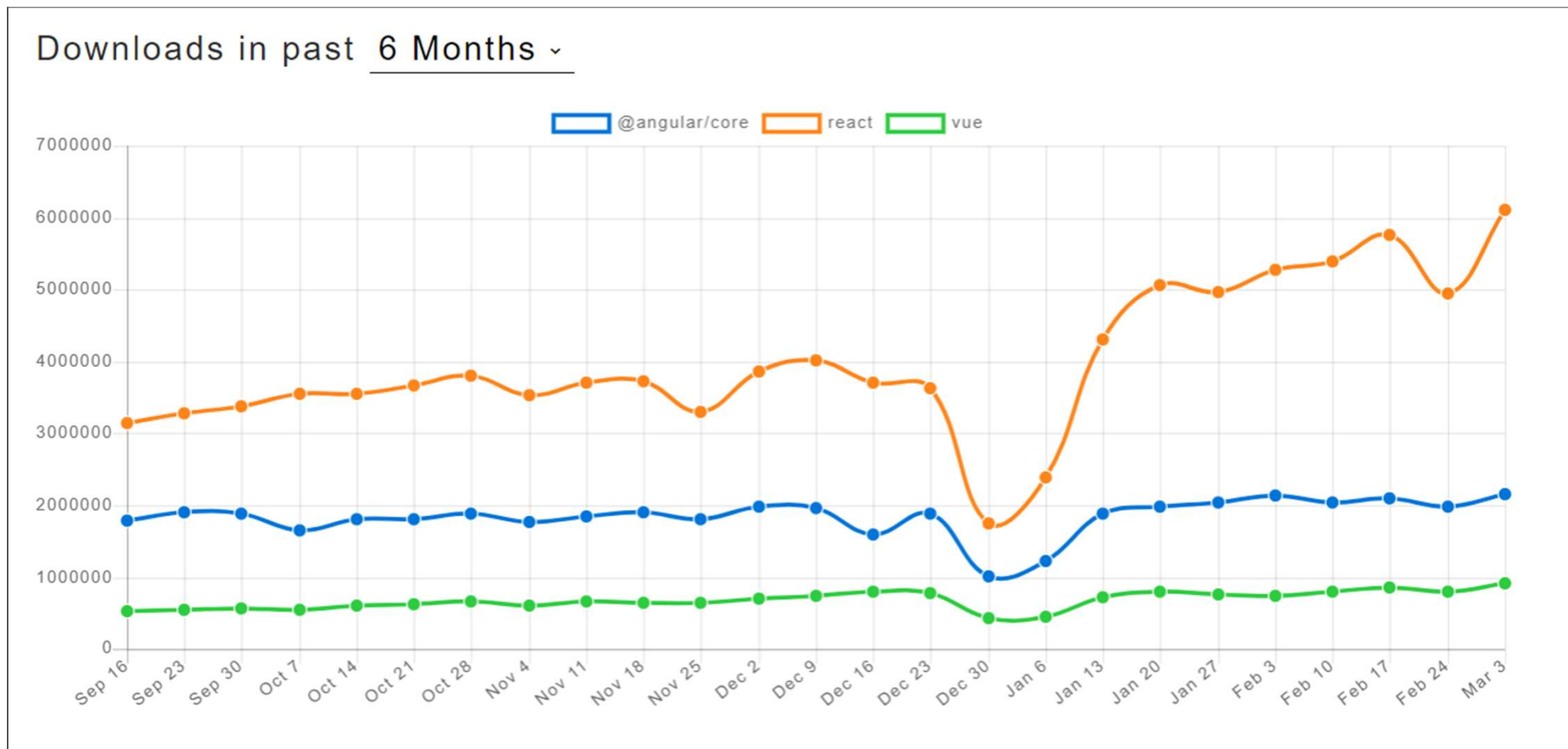
*If you are not comfortable with recurring pledges, I also accept one-time donations via PayPal or crypto currencies :)*

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

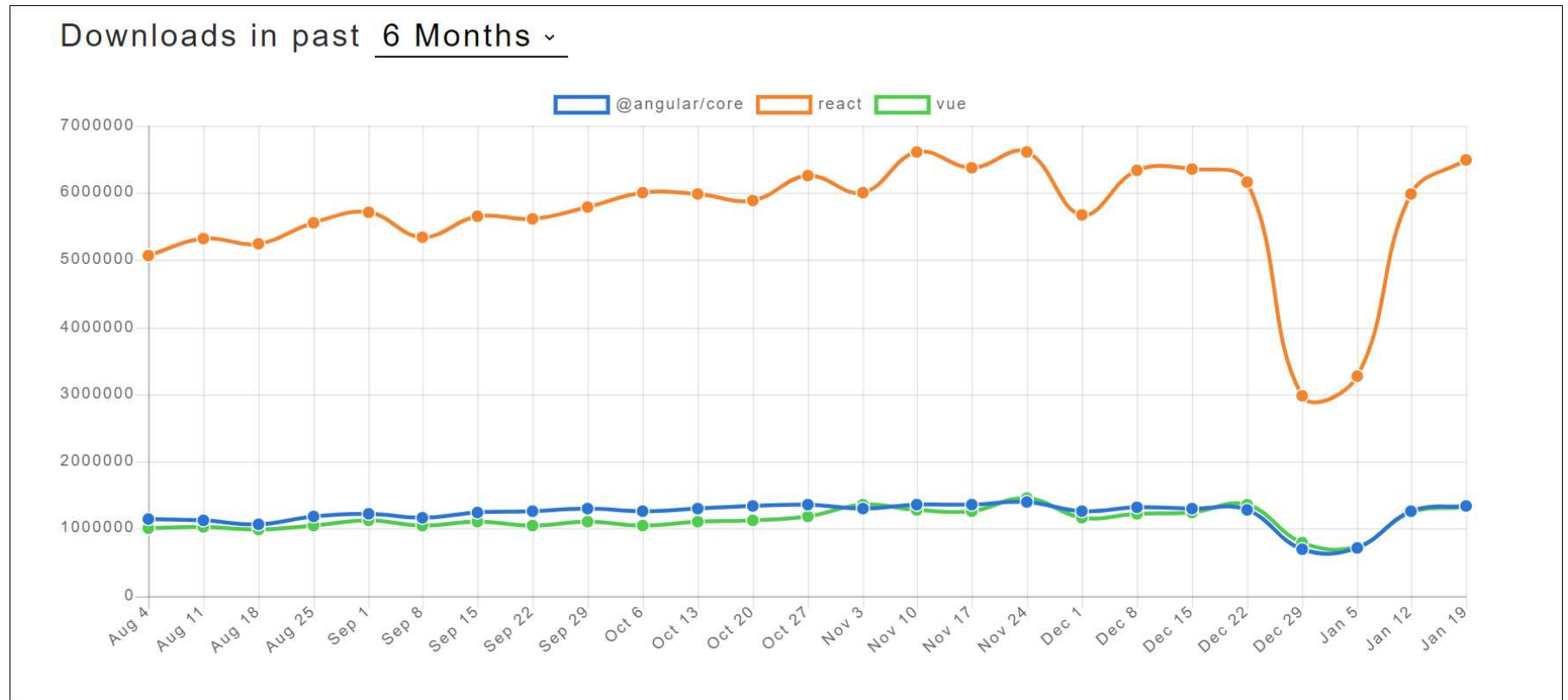
No backing from company with deep pockets – all crowd funded

# A 2019 comparison



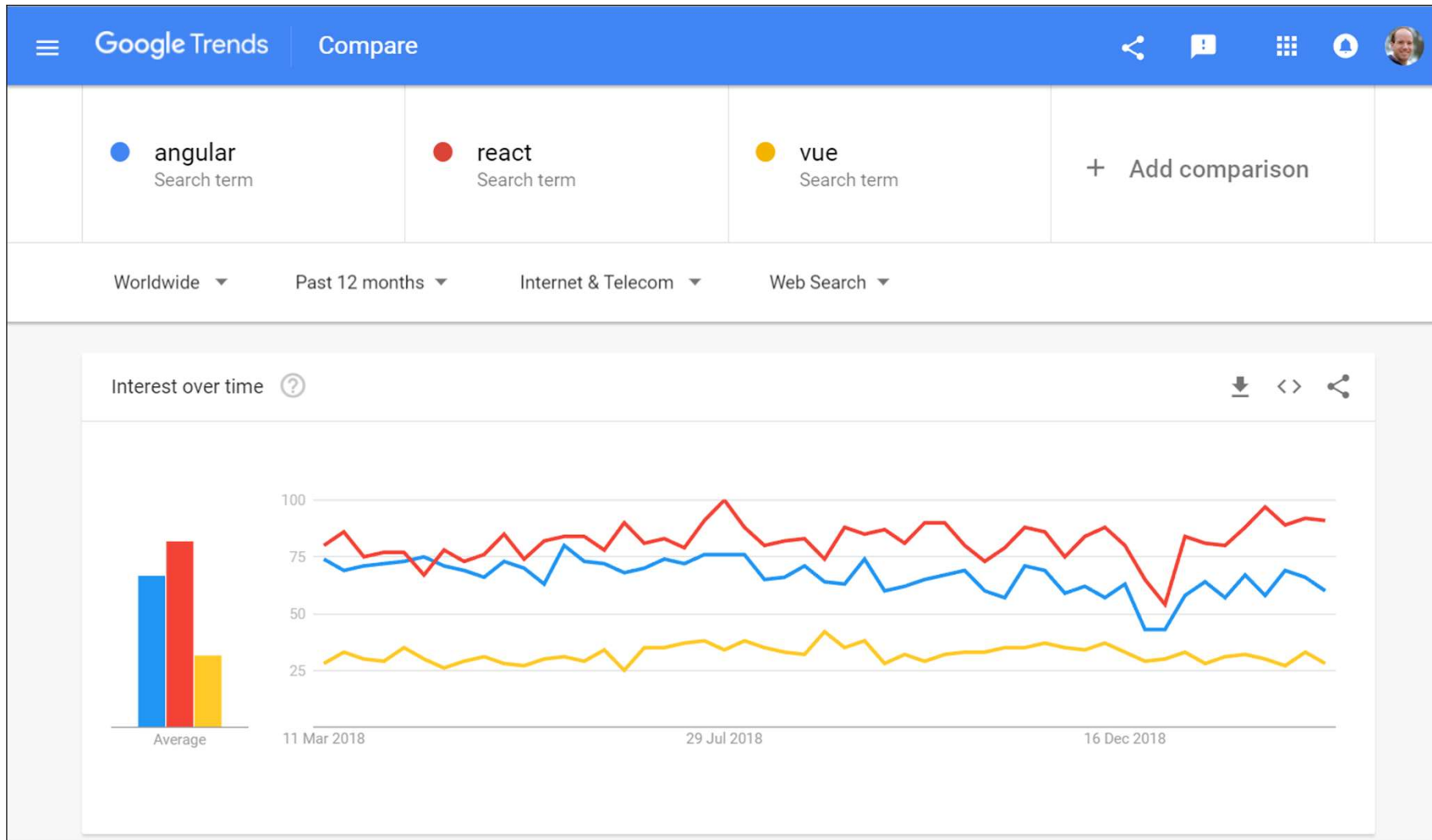
<https://www.npmtrends.com/@angular/core-vs-react-vs-vue>

# 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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Wifi verbeteren >

Meer service >



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Aanbiedingen >

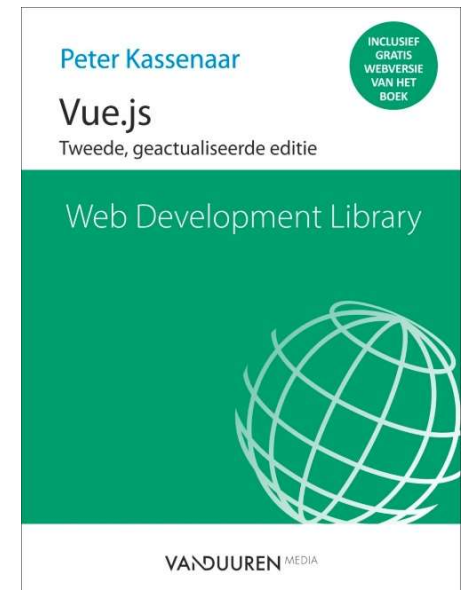
Gigabit >

Speedtest >

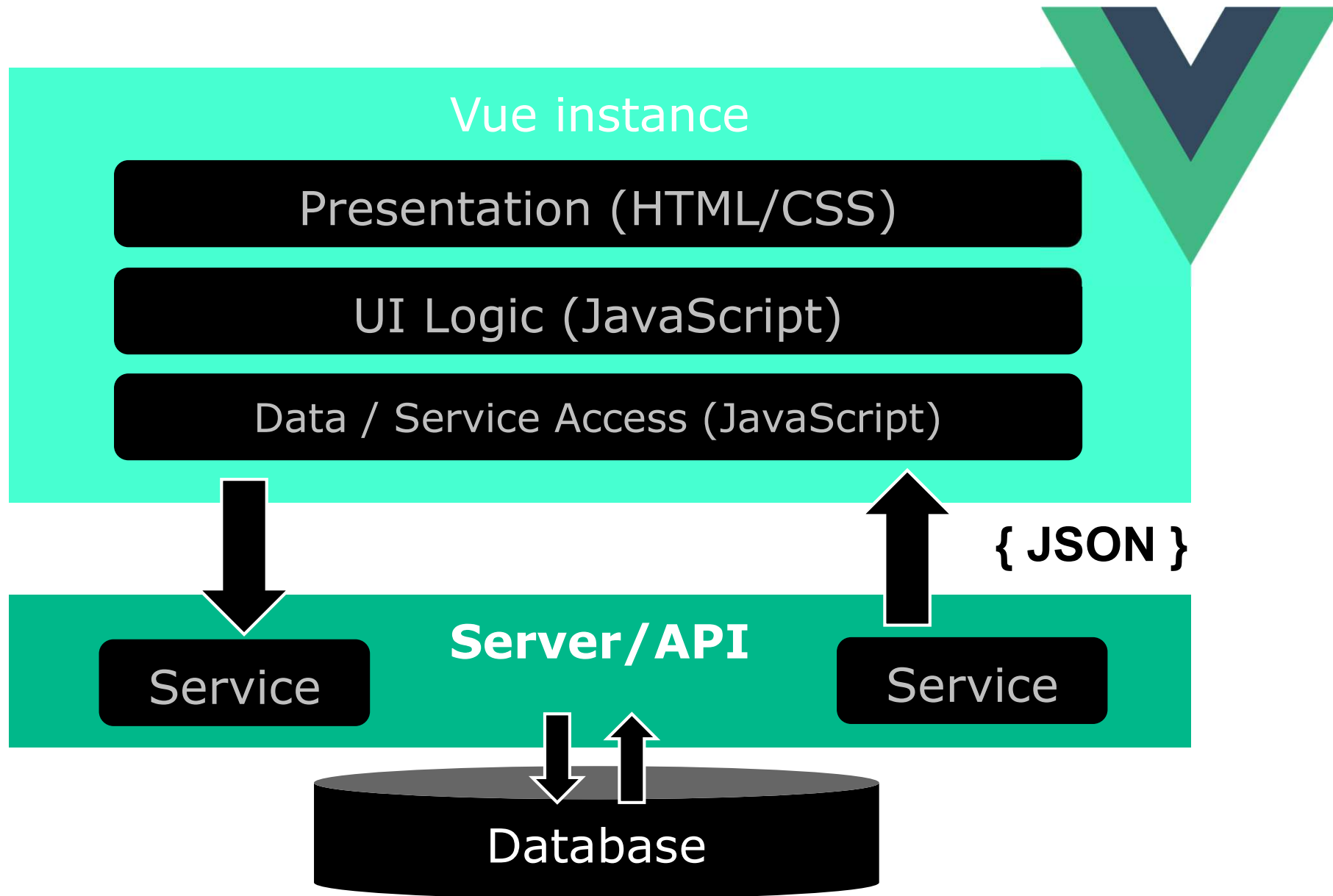


# Vue application structure

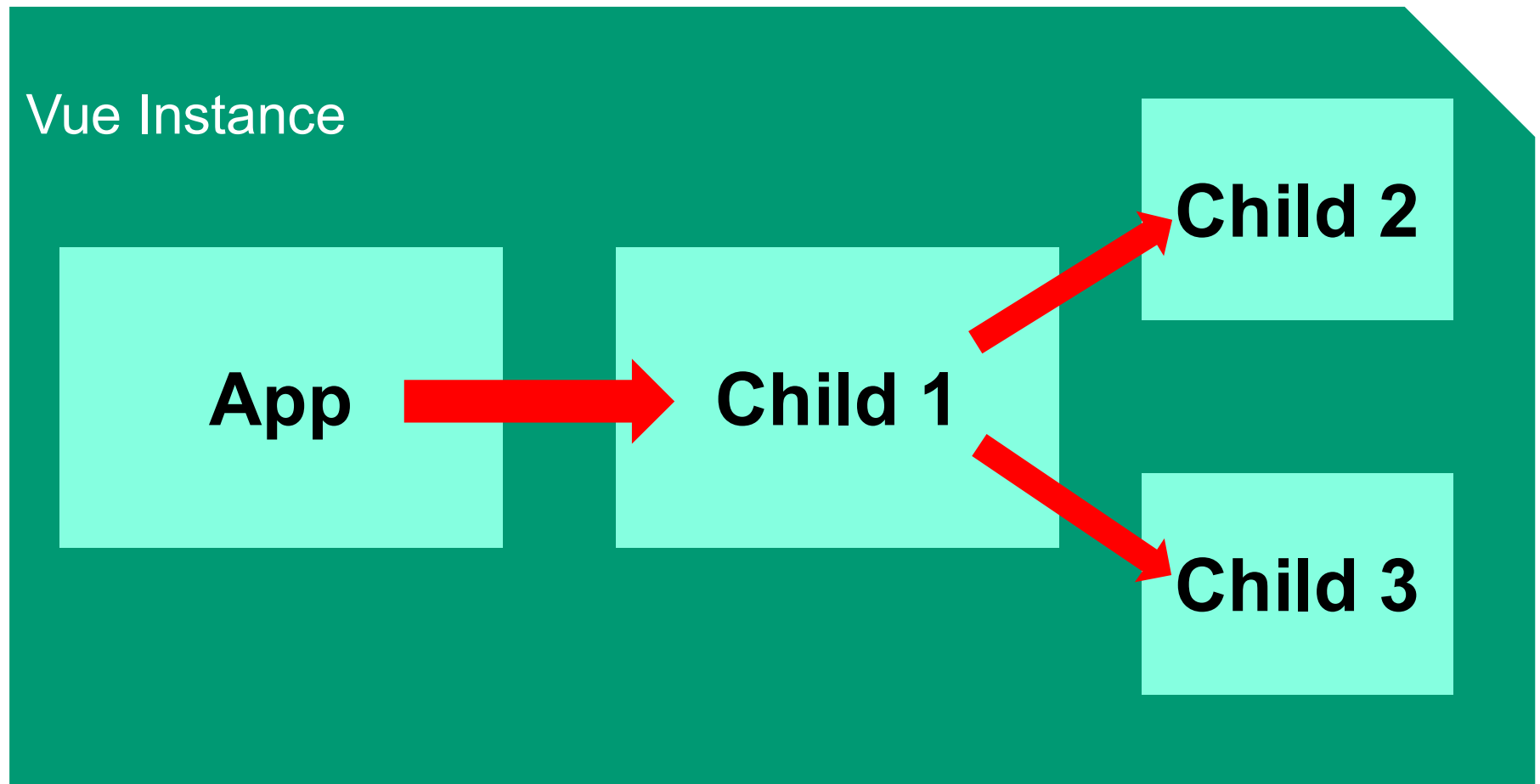
Getting a conceptual understanding of the Vue app architecture



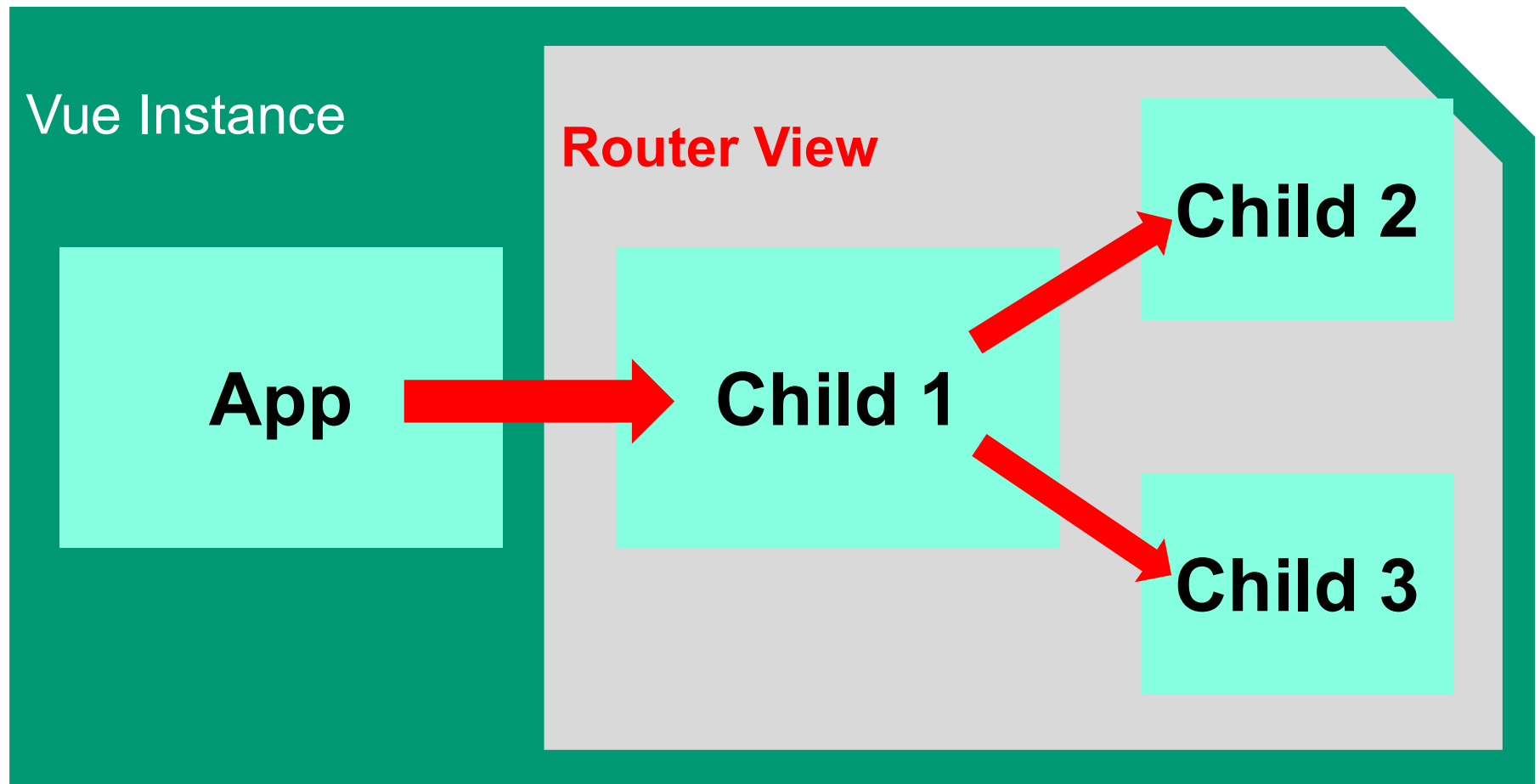
# Single Page Application



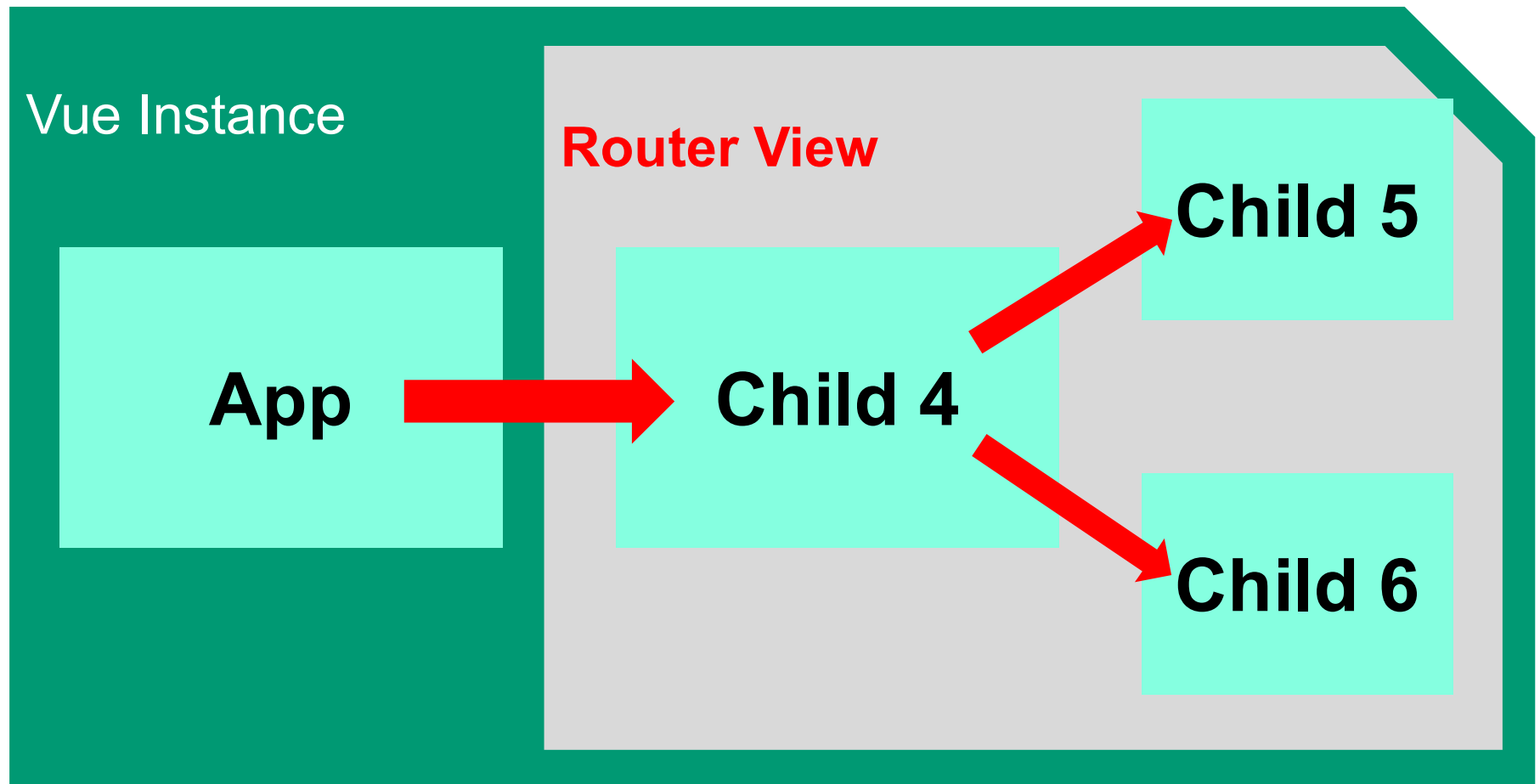
# Visual of the Vue instance



# Vue app with routing



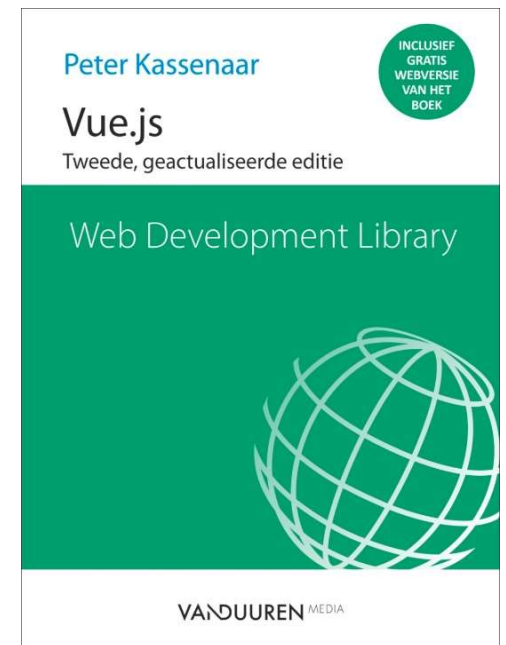
**As the URL changes, content gets updated**





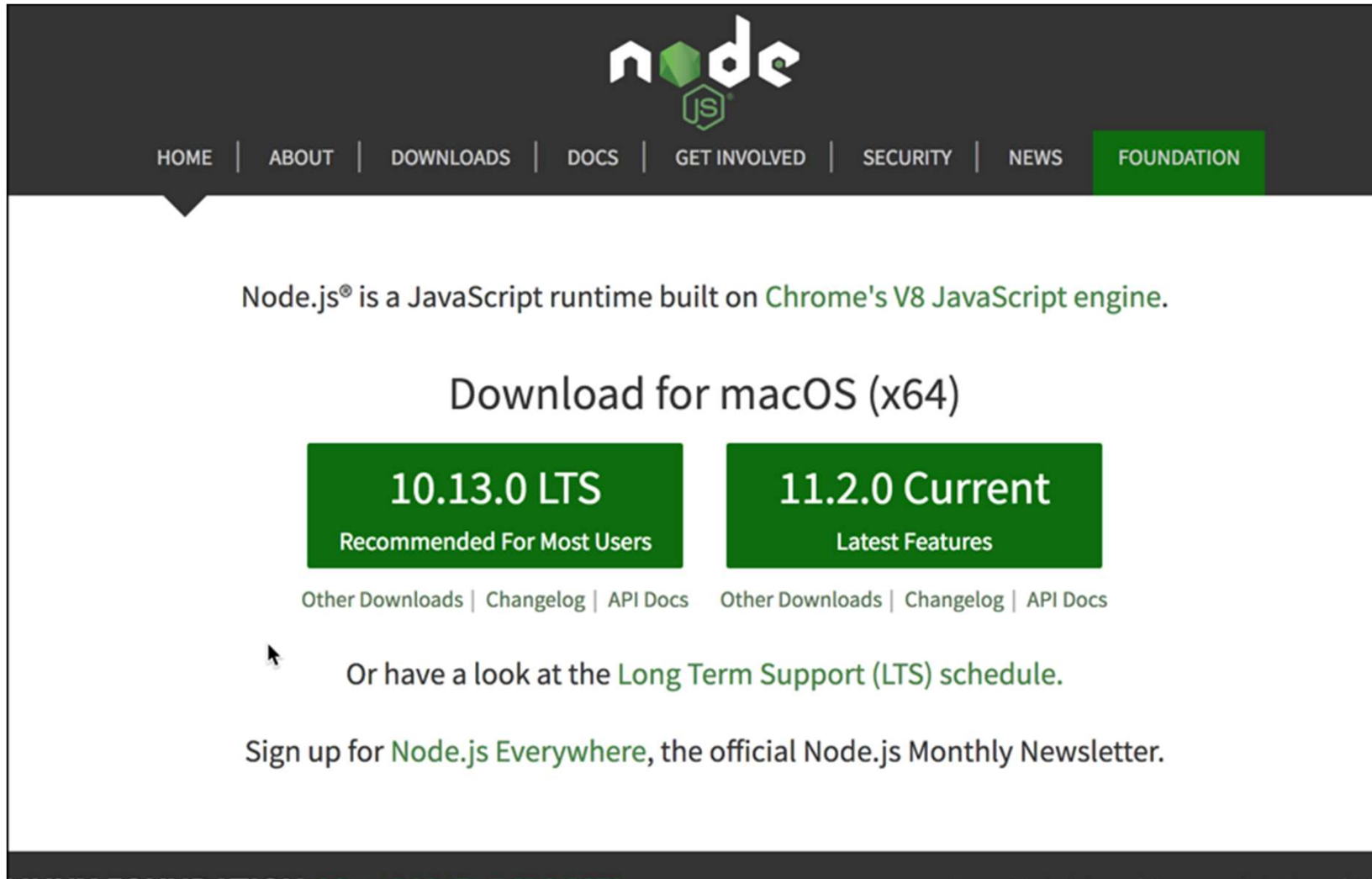
# “Praktijk”

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)". Below this are two green buttons: "10.13.0 LTS Recommended For Most Users" and "11.2.0 Current Latest Features". Under each button are links for "Other Downloads", "Changelog", and "API Docs". Below the buttons, the text says: "Or have a look at the Long Term Support (LTS) schedule." At the bottom, it says: "Sign up 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.

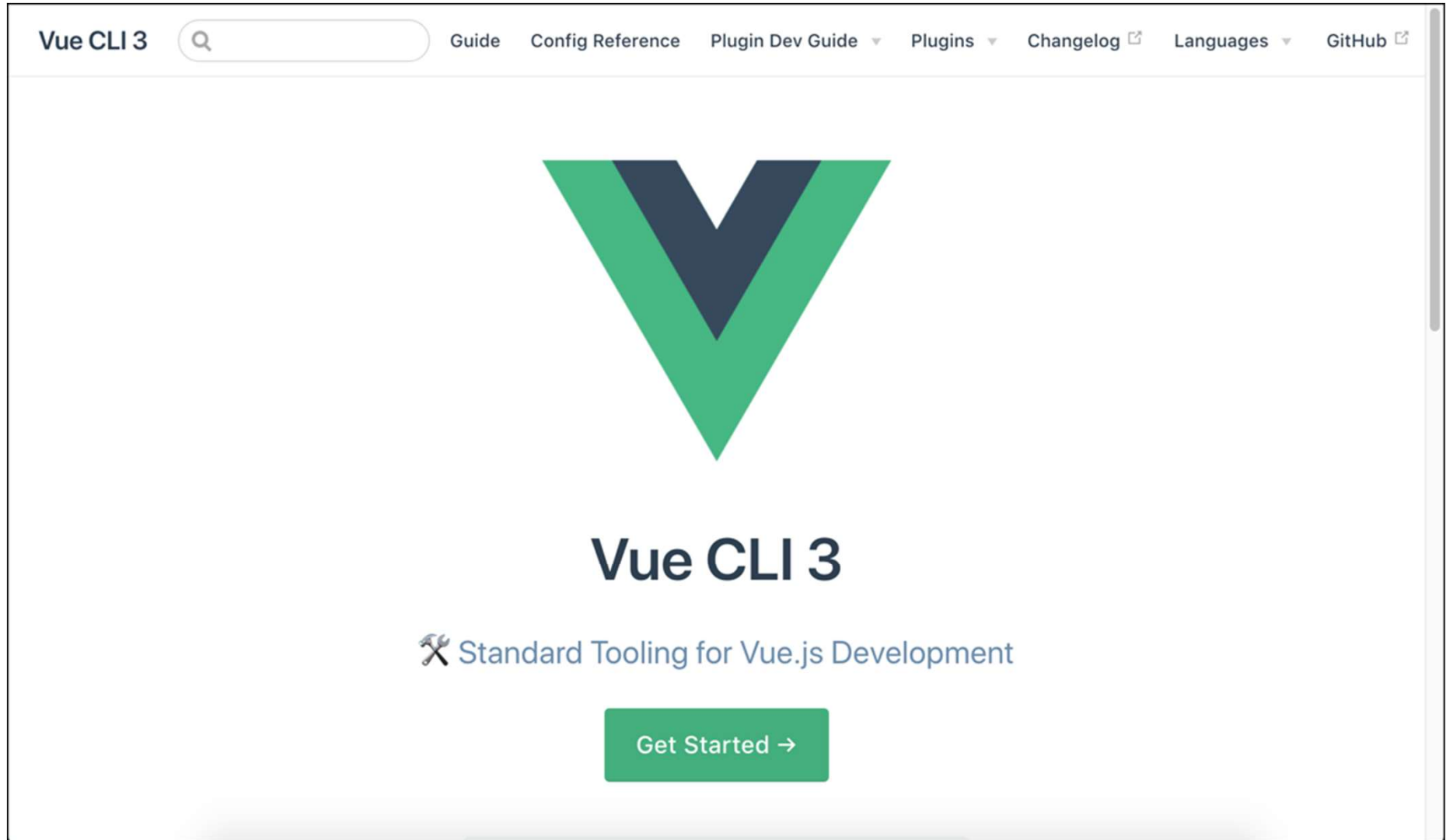
<https://nodejs.org/en/>

# 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](https://cli.vuejs.org)



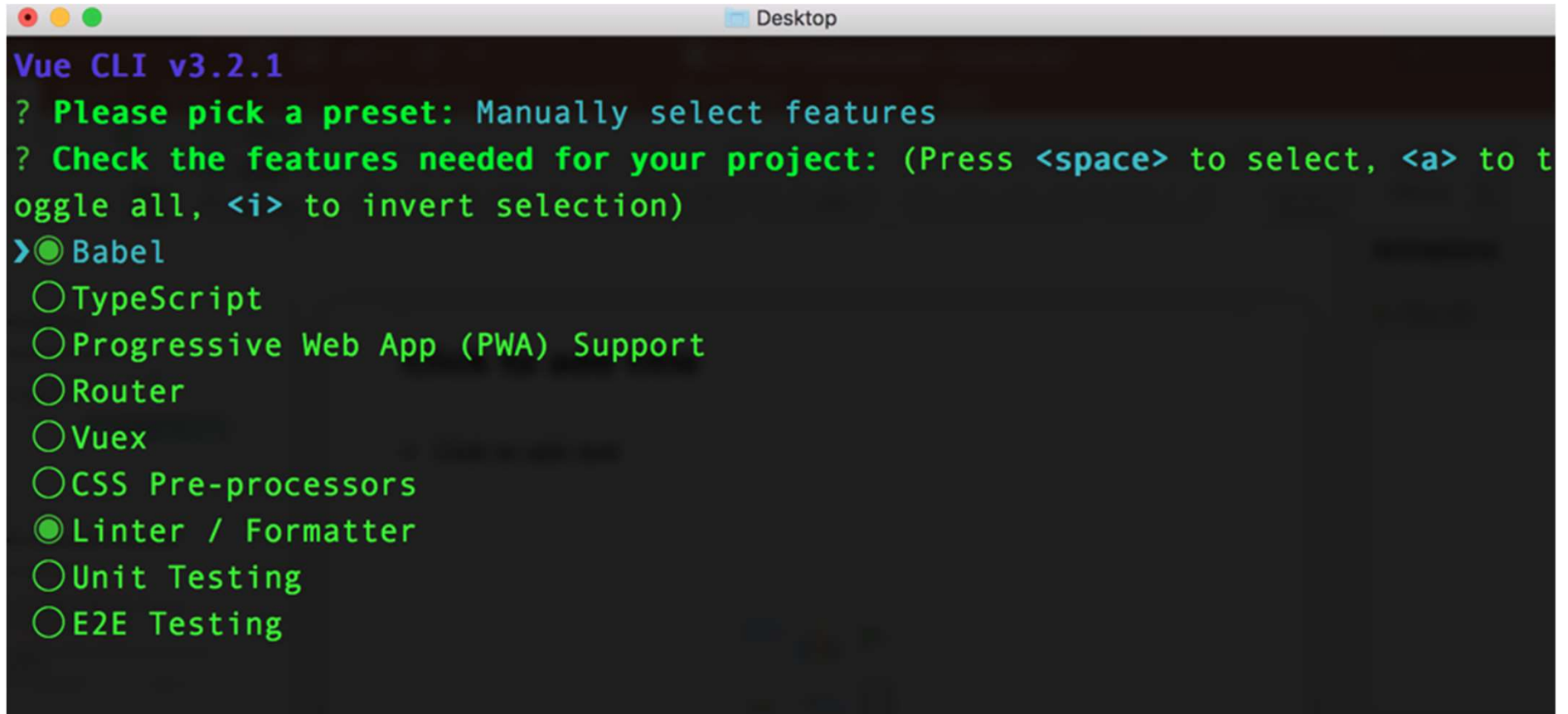
# Installation of @vue/cli

```
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.

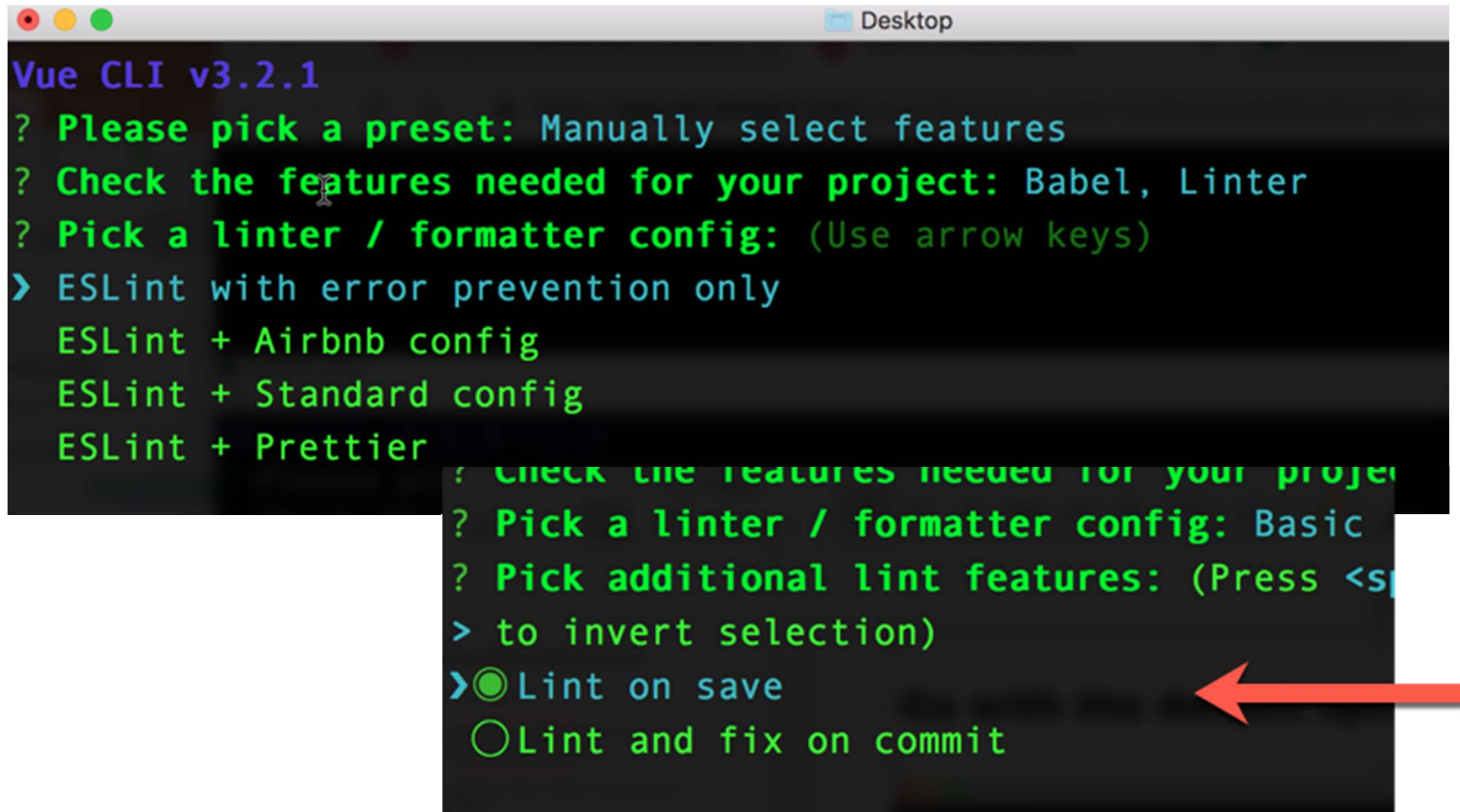
`vue create my-vue-project`



```
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
```

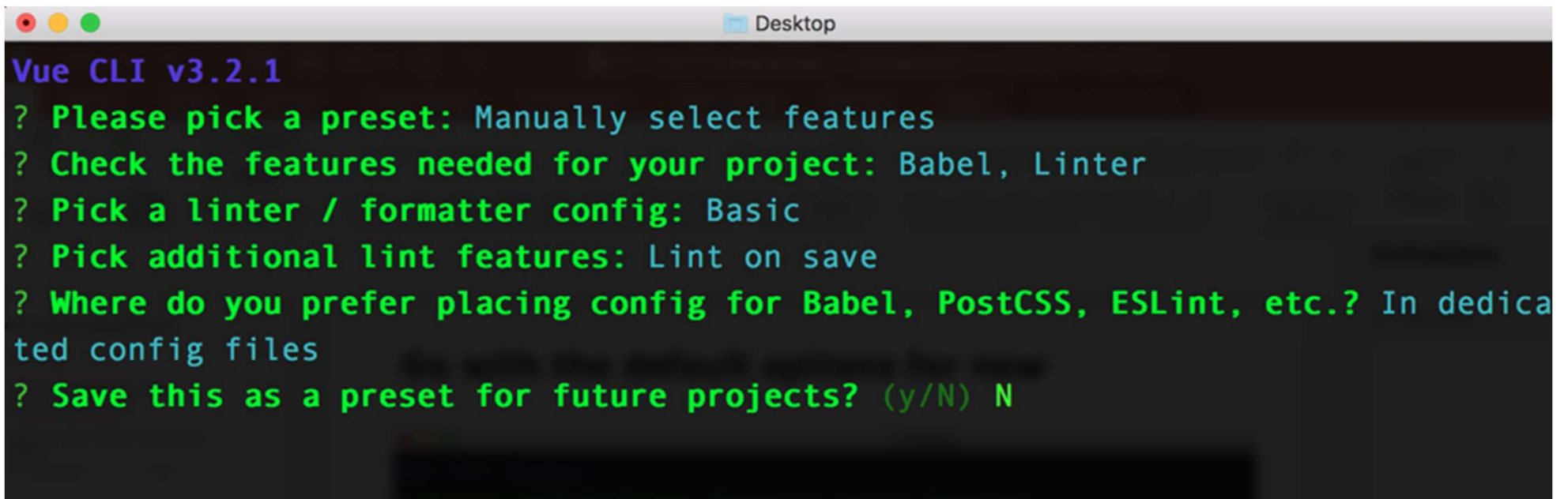
We're going to add Router and Vuex later

# 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
? 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

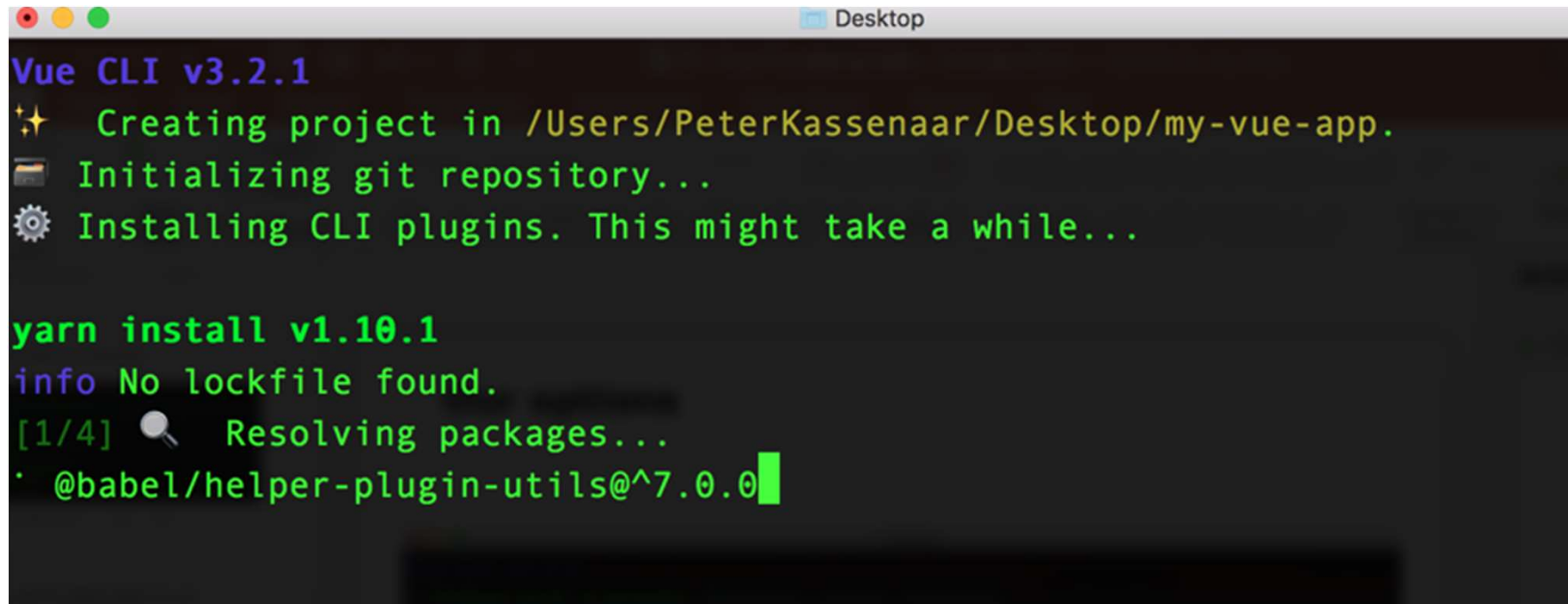


A screenshot of a terminal window titled "Desktop" showing the Vue CLI v3.2.1 installation process. The terminal displays a series of prompts in green text, with user input in blue text. The prompts are: "Please pick a preset: Manually select features", "Check the features needed for your project: Babel, 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...

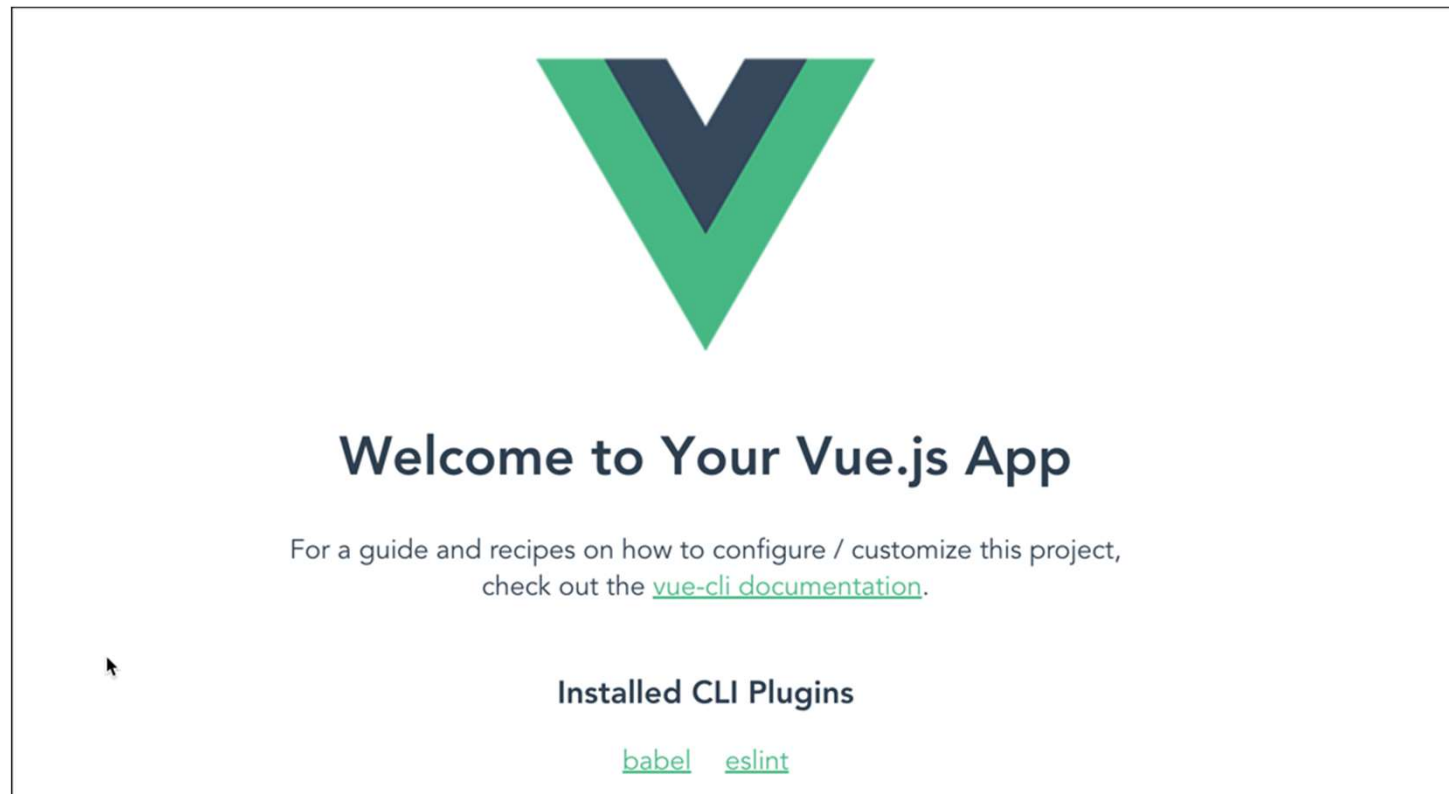
A terminal window titled 'Desktop' with a dark background and light green text. It shows the output of the 'vue create' command. The steps include creating the project in a specific directory, initializing a git repository, and installing CLI plugins. Below this, the 'yarn install' command is run, showing 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

*High level overview van Vue.js*

*Enige praktische kennis van  
Vue.js*

**Q & A**



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