Vue Fundamentals

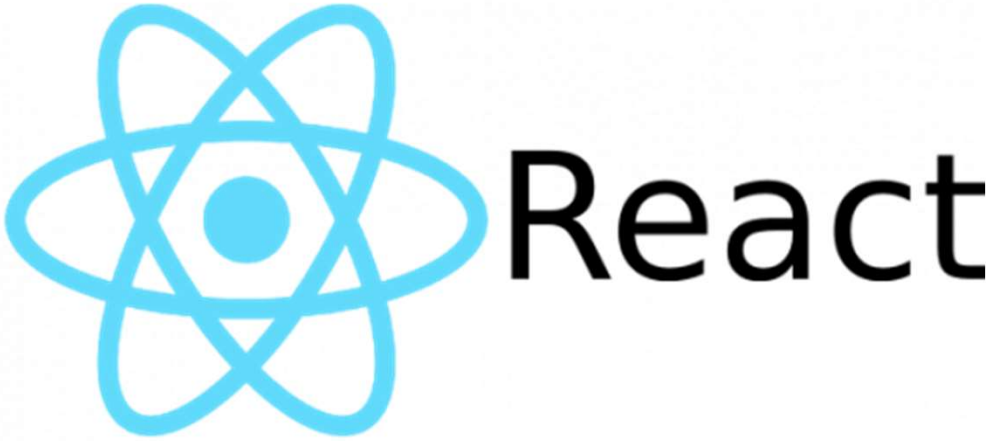
Short recap day #1

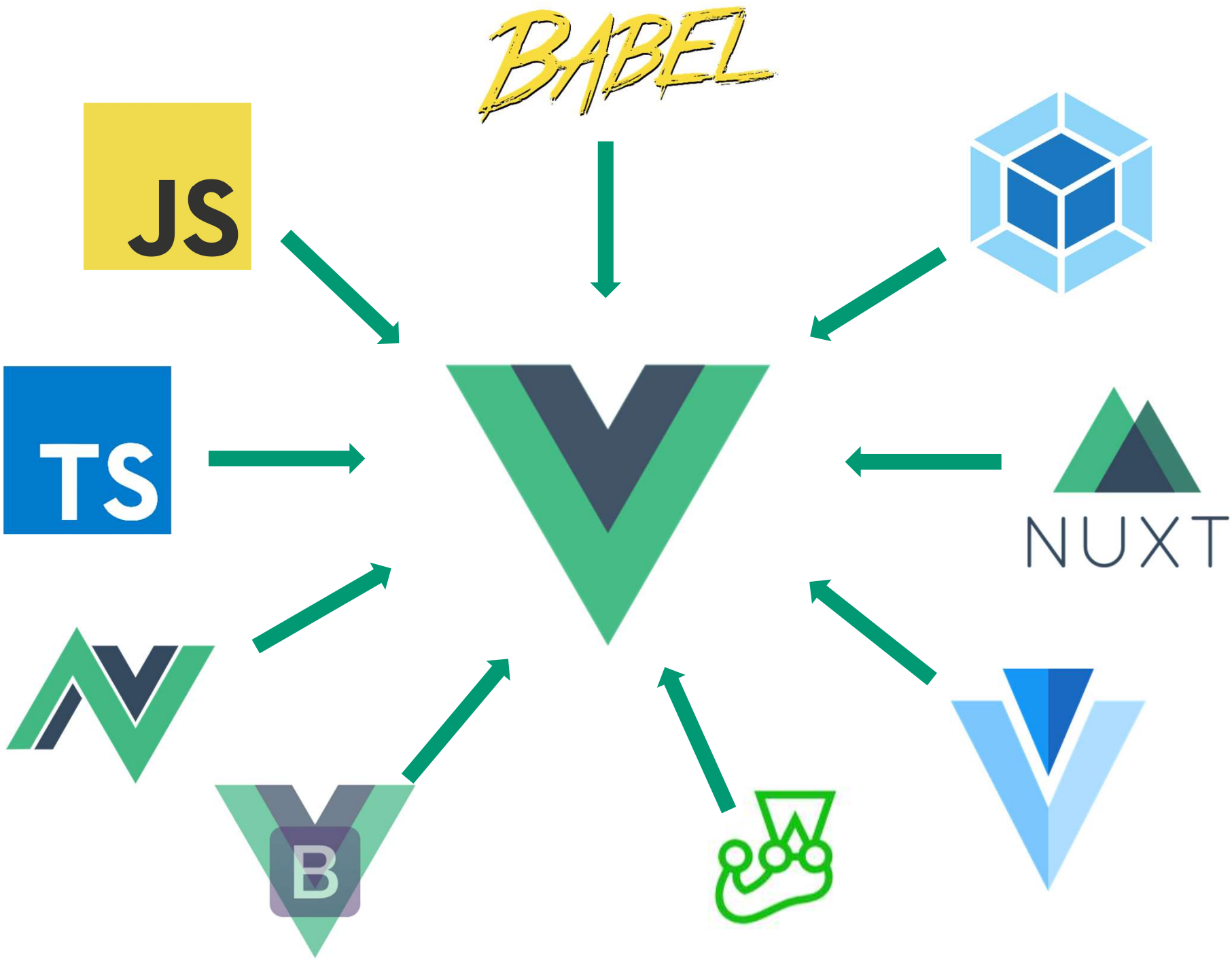
Peter Kassenaar –
info@kassenaar.com

Yesterday

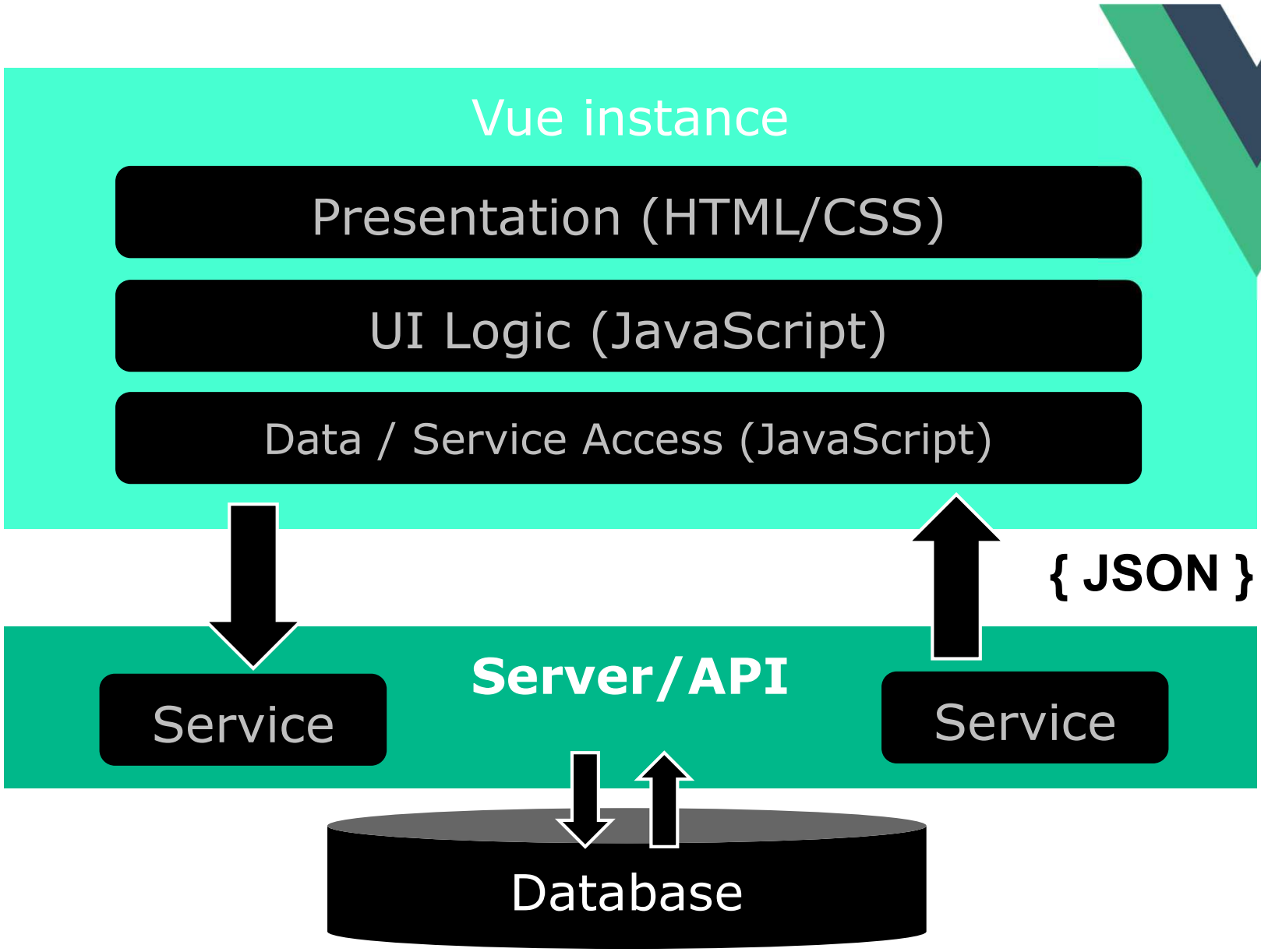
- Introduction – overview of the front-end landscape
- Vue tooling – installation
  - Node, NPM, Vue CLI, Vue DevTools
- NodeJS commands
  - `npm install`
  - `npm run serve`
- Hello World – the structure and architecture of Vue apps.

Front-end Frameworks

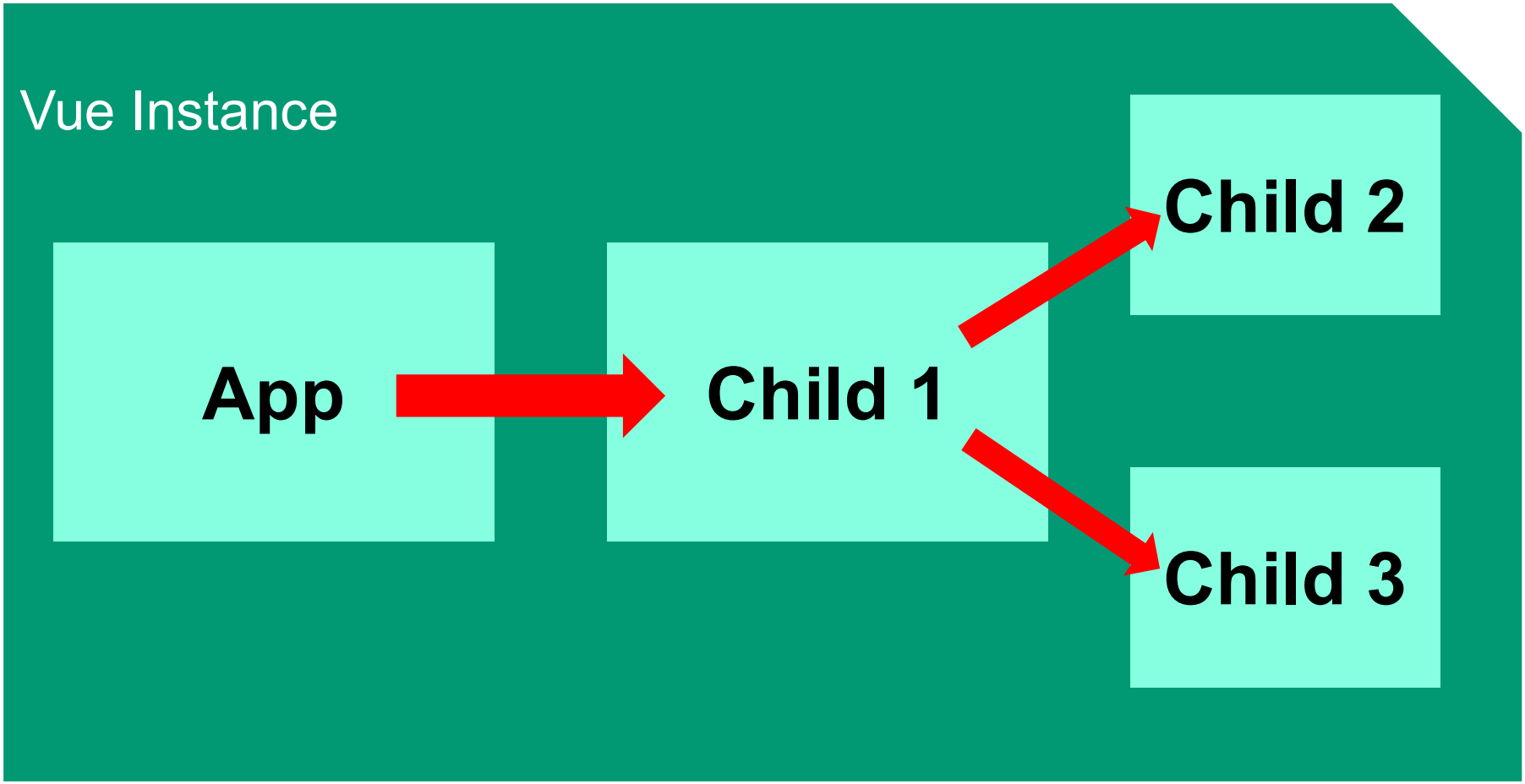



BABEL
JS
TS
NUXT

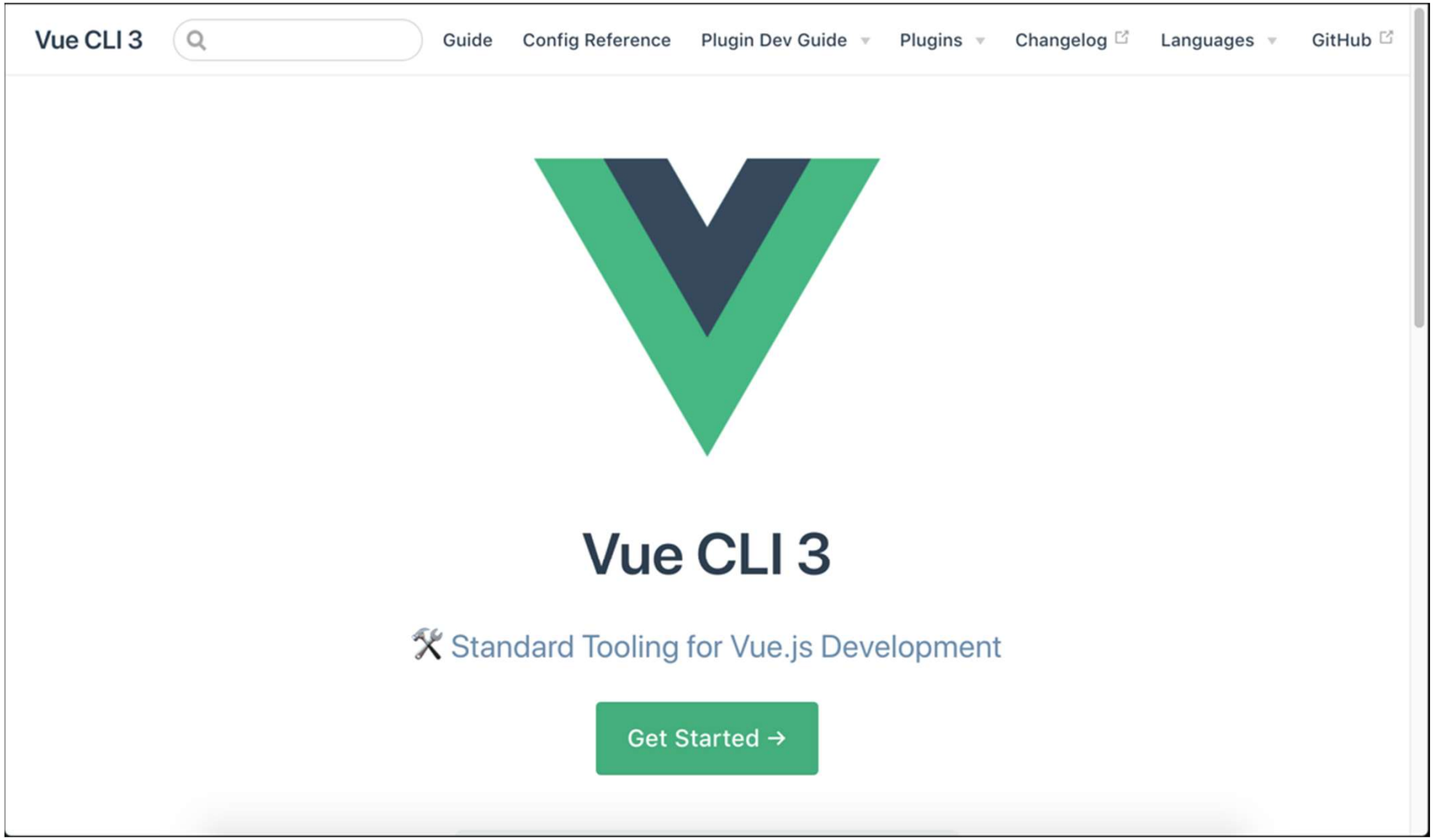
Single Page Application



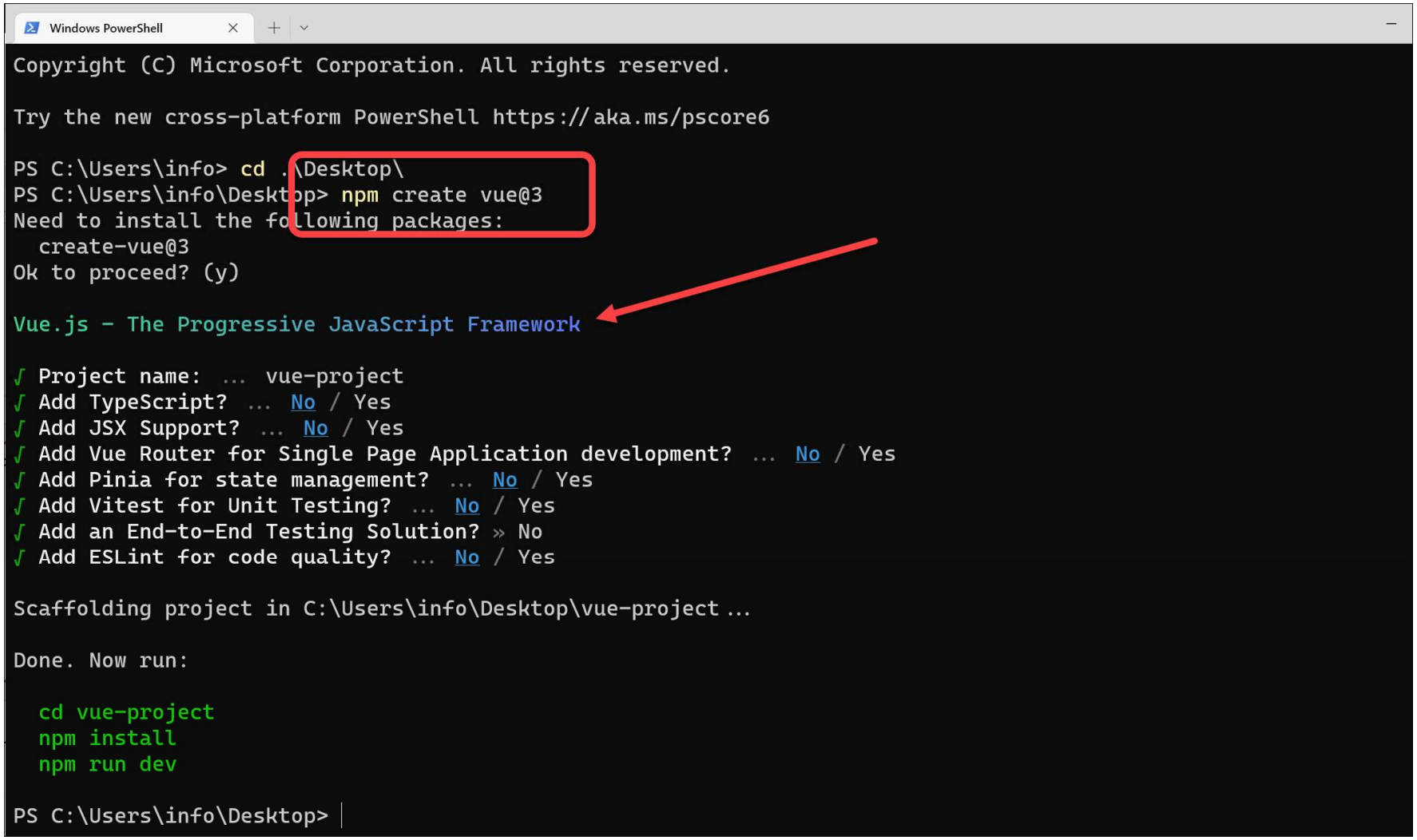
Visual of the Vue instance



cli.vuejs.org



New: Vue 3: `npm create vue@3`



Under the hood this uses `Vite` as bundler, instead of `Webpack`

Vue 3 - project

You did it!

You've successfully created a project with Vite + Vue 3.

Documentation

Vue's official documentation provides you with all information you need to get started.

Tooling

This project is served and bundled with Vite. The recommended IDE setup is VSCode + Volar. If you need to test your components and web pages, check out Cypress and Cypress Component Testing.
More instructions are available in `README.md`.

Ecosystem

Get official tools and libraries for your project: Pinia, Vue Router, Vue Test Utils, and Vue Dev Tools. If you need more resources, we suggest paying Awesome Vue a visit.

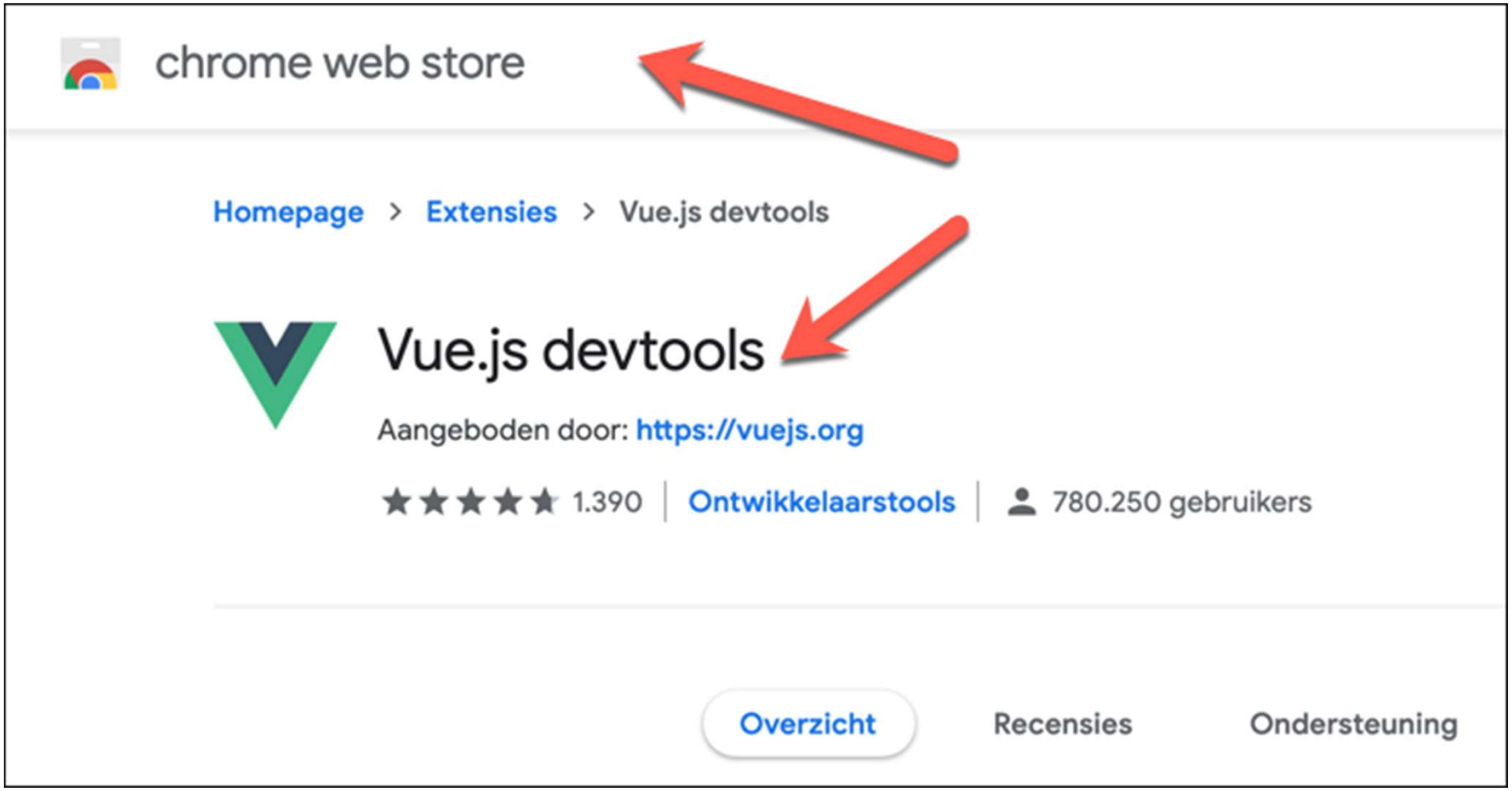
Community

Got stuck? Ask your question on Vue Land, our official Discord server, or StackOverflow. You should also subscribe to our mailing list and follow the official @vuejs twitter account for latest news in the Vue world.

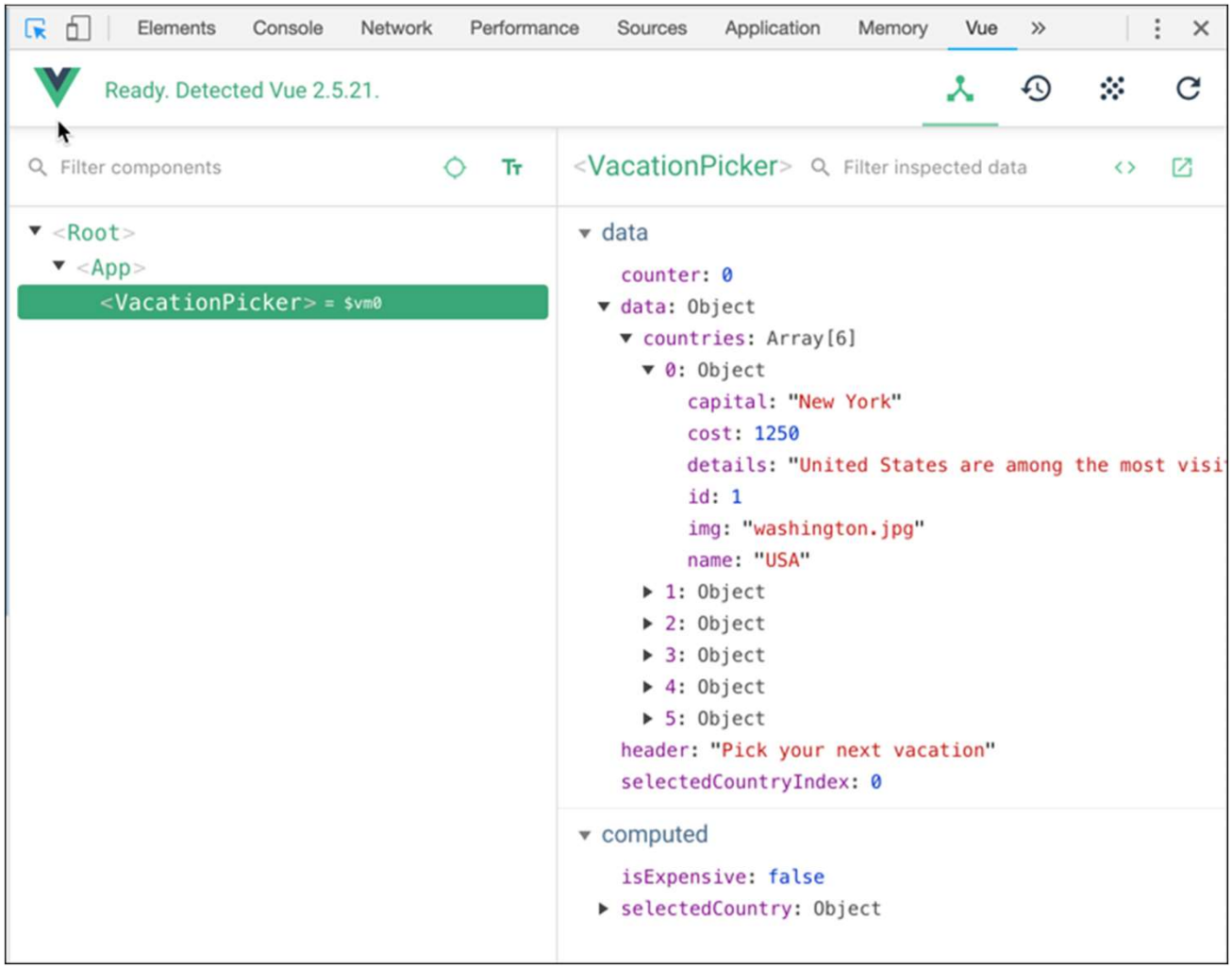
Support Vue

As an independent project, Vue relies on community backing for its sustainability. You can help us by becoming a sponsor.

Vue DevTools – one time installation



See ‘Vue’ tab in Chrome DevTools



Chrome devtools extension for analyzing Vue.js applications.

Inspect application structure and data

Inspect Vuex store and state mutations/changes

Also yesterday

- Components:
  - data binding `{{ … }}`
  - attribute binding `v-bind:` or `:`
  - event binding `v-on:` or `@`
- Computed properties
- Binding to images

App.vue

```
<template>
  <div id="app">
    <img alt="Vue logo" src="./assets/logo.png">
    <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>
```

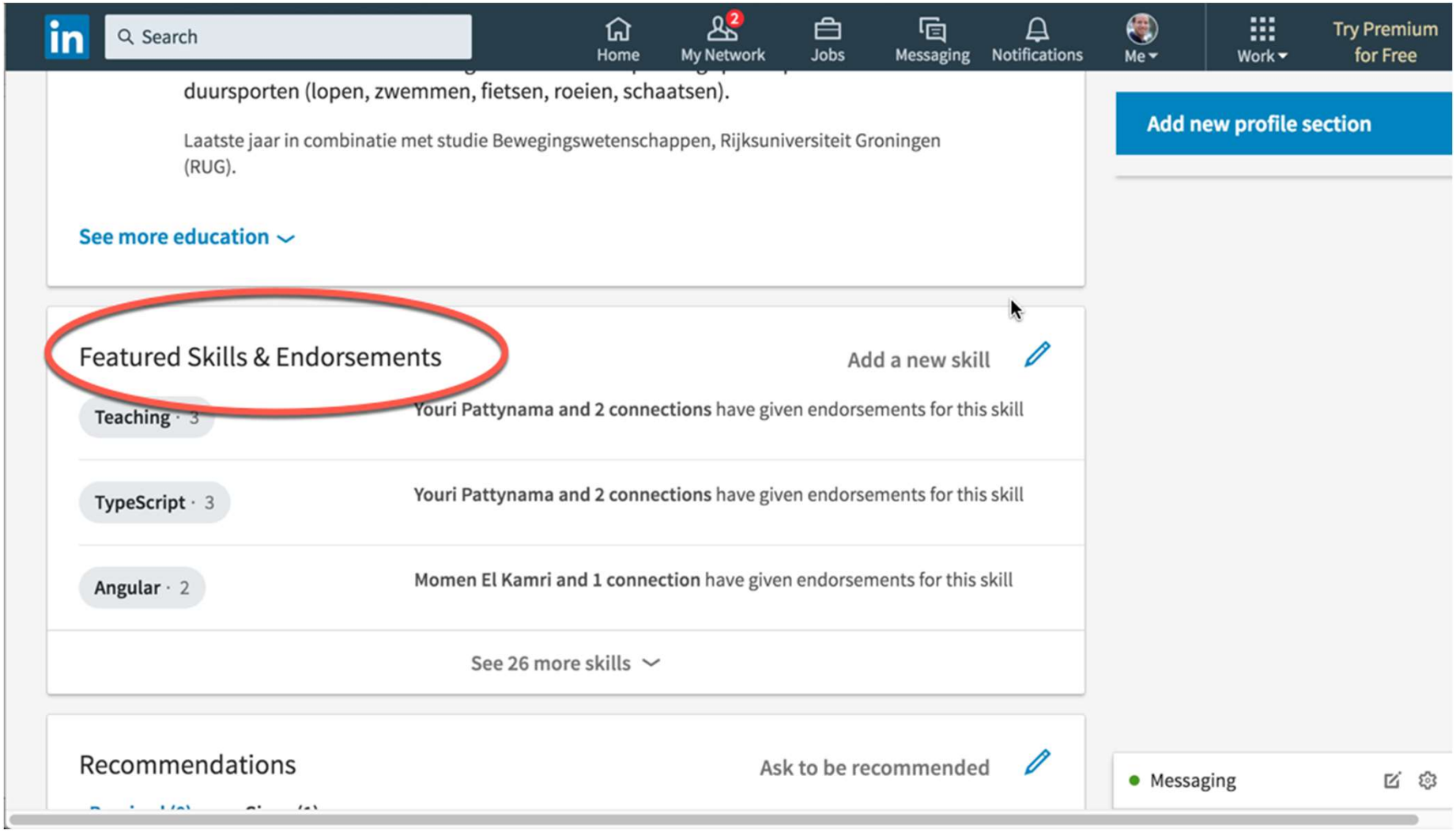
Style

Questions?

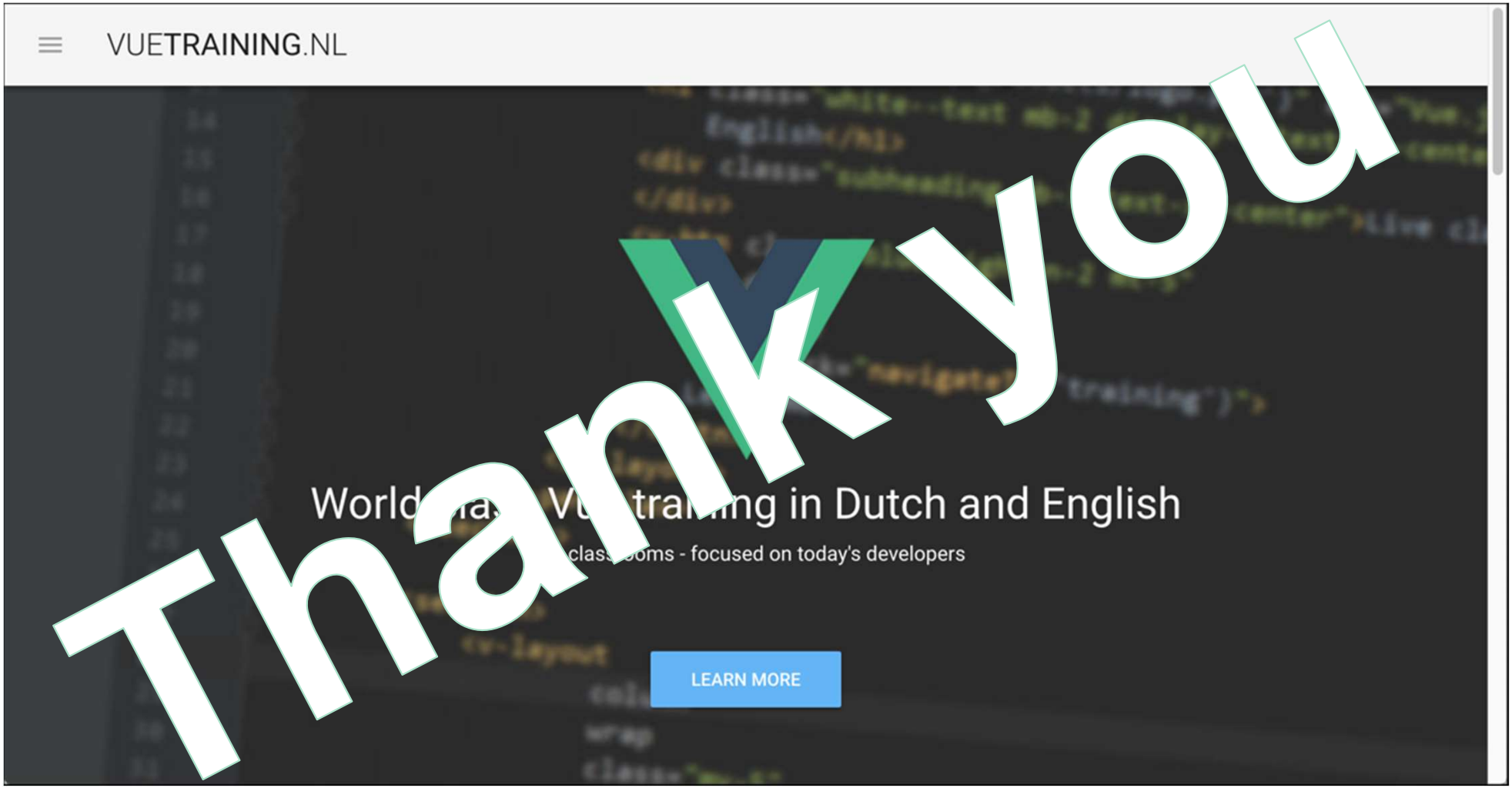
Today – Day 2

- Data binding #4, using v-model
- Communication between components
  - Props and events; using `this.$emit(…)`
  - Slots
- Using HTTP API's
- State Management with Vuex
  - Simple State Management
  - Modules
- [time permitting: Routing]

If you liked it, endorse



https://www.linkedin.com/in/peterkassenaar/



www.vuetraining.nl/