Single Page Apps With A Headless CMS And Vue.js

Presented by

Tihomir Opacic (@tihomiropacic)

Outline

Project Overview

Building a RESTful API with Photon CMS

Building a SPA with Vue.js

Project Overview

BIT Blog

BIT Blog is a project used in BIT React js course.

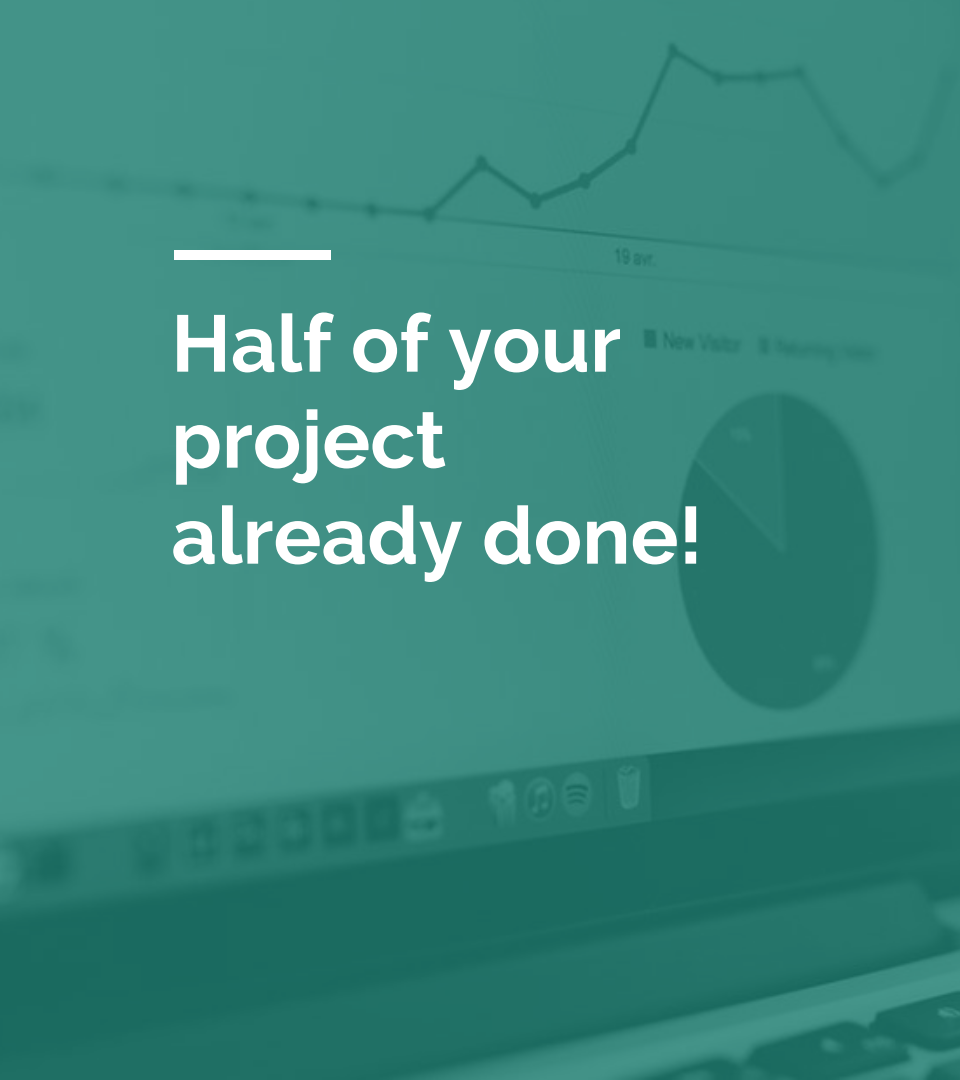How many people have worked on this project?

Building a RESTful API with Photon CMS

What is Photon CMS?

Headless Content Management System.

Photon CMS provides self-hosted content infrastructure enabling you to power content in any digital product.

Half of your project already done!

This is mostly true.

Saves 40 - 70% of development time comparing to other platforms.

Install Photon

Use Photon installer to install Photon CMS

➔ 'photon new vueblogapi'

➔ Use Laravel Valet service

RESTful API Endpoints

➔ /users

➔ /posts

➔ /about

/posts

01

Create the /posts API endpoint

➔   Title

➔   Content

➔   Author

/users

02

Update the /users API endpoint

→   ...

→   Posts

/about

03

Create the /about API endpoint

Test with Postman

04

Use Postman to test the API

➔   View Photon API docs

➔   Setup New Environment

➔   Login

➔   Test Endpoints
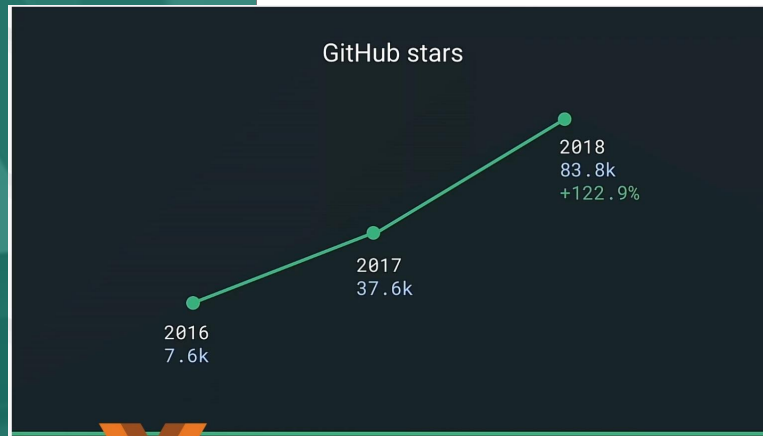
Building a SPA with Vue.js

What is Vue.js?

The Progressive JavaScript Framework.

Vue (pronounced /vjuː/, like view) is a progressive framework for building user interfaces.
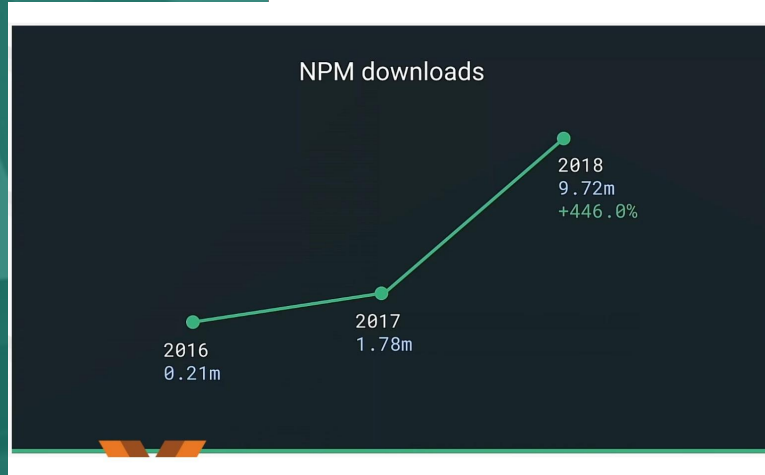
How popular
is Vue.js?

GitHub stars

2018
83.8k
+122.9%

2017
37.6k

2016
7.6k

How popular is Vue.js?

NPM downloads

2018
9.72m
+446.0%

2017
1.78m

2016
0.21m

Vue CLI

01

How Vue CLI utility is used to aid the development?

➔ 'vue ui'

➔ 'vue create hello-world'

➔ Instant prototyping

Create Services, Views and Components

➔ /services/ApiService.js

➔ /views/Home.vue

➔ /components/PostSnippet.vue

➔ /views/SinglePost.vue

➔ /views/Authors.vue

➔ /views/SingleAuthor.vue

➔ /views/About.vue

Questions?

References

Photon CMS

Photon CMS API Documentation

Vue.js

Vue.js CLI

About Tihomir

Tihomir is a senior lead web developer that runs his own web development company Orange Hill Development. He is also one of the authors of Photon CMS - a headless content management system. He is an IT Serbia Podcast co-host and CMS Podcast show host.

You can reach him at @tihomiropacic on Twitter.