

Enhance SFMC CloudPages with JavaScript Using VueJS



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SERĈANTE













CloudPages

In-Platform Applications and Landing Pages





Simple

A single page to create public facing user experiences.

Flexible

Can use HTML and Client-Side JavaScript to enhance your pages.

Powerful

Combined with Server-Side JavaScript and AMPscript, leverage data in SFMC.



VueJS

The Progressive JavaScript Framework





Approachable

Builds on top of standard HTML, CSS and JavaScript with intuitive API and world-class documentation.

Performant

Reactive, designed to be used with or without a build step.

Versatile

Incrementally adoptable ecosystem that scales between a library and a full-featured framework.



Benefits of VueJS



Template Syntax

Extends HTML, Familiar

Reactive

Tracks Changes, Updates the Document Object Model

Components

Reusable, Isolated

No Build Step

Designed to work with and without a build step



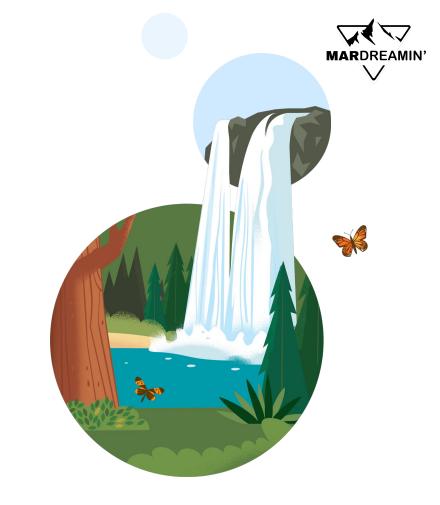
```
template:
    {{heroHeadline}}
    {{heroSubheader}}
    Hey, {{subscriberInfo.name}} at {{subscriberInfo.email}}
```

Thinking modular makes complexity approachable

Each component has its purpose

Components can be reusable

Easily Add/Remove Components/Features





Let's Look at Some Code

Familiar Structure

Standard HTML Tags

VueJS via CDN

CDN import allows for no build step

Container div

Div Container that renders application

Core AppJS object

Sets up and mounts the main app to Container div



```
<!DOCTYPE html>
<head>
   <script src="https://unpkg.com/vue@3/dist/vue.global.js"></script>
   <div id="app">
        Hey, {{subscriberData.name}} at {{subscriberData.email}}
   <script>
        const AppJS = {
           data() {
                return {
                    subscriberData: {
                        name: 'Astro',
                        email: 'Astro@astroworld.io'
        const app = Vue.createApp(AppJS).mount('#app');
   </script>
```

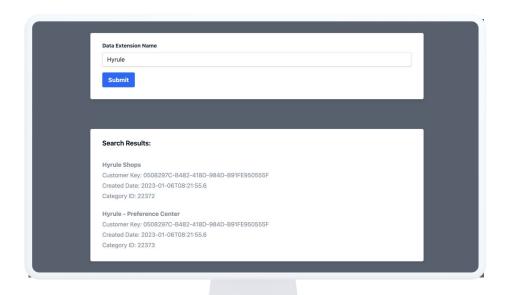
Let's build something

Simple Search with Results

Working in Modularized Components

Using Code Snippet Content Blocks

Asynchronous Submit Method





CloudPage Template

Minimal Code

Core Structural HTML

CDN Imports

AMPscript Imports



App_JS

App_HTML





Category ID: 22373

Core Components

App_JS

```
const AppJS = {
 components: {
   DataExtensionSearch,
   DataExtensionResults,
 // Data function returns $data object
 data() {
   return {
     config: {
       apiBaseURL:
          "https://{{tssd}}.pub.sfmc-content.com/{{id}}",
     dataExtensionReturn: [],
 methods: {
   submitSearch: async function (searchTerm) {
   },
 },
const app = Vue.createApp(AppJS).mount("#app");
```

App_HTML

Child Components

JavaScript Object

HTML as Template String

Can take data from parent component

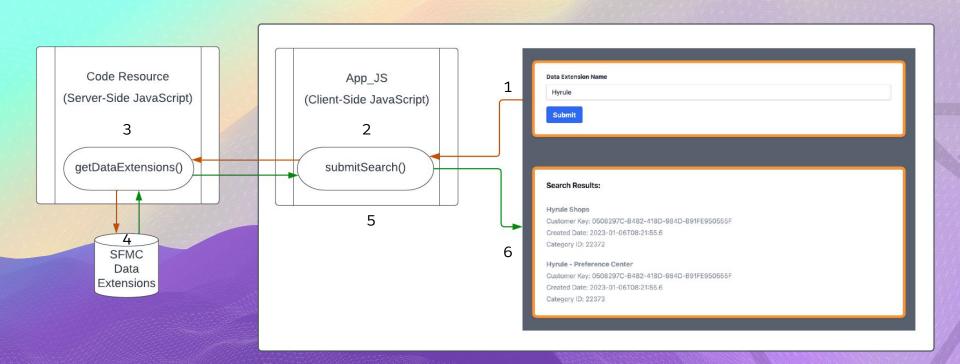
Can pass data to parent component

```
return {
    formData: {
      dataExtensionName: ''
  };
methods: {
  submitSearch: function () {
    if(this.formData.dataExtensionName.length === 0){
      return;
    this.$emit(this.formData.dataExtensionName)
template: `
        <label for="dataExtensionName">
          Data Extension Name
        </label>
          id="dataExtensionName"
          type="text"
          v-model="formData.dataExtensionName"
          @click="submitSearch"
          type="button"
          Submit
```

const DataExtensionSearchContainer = {

data() {





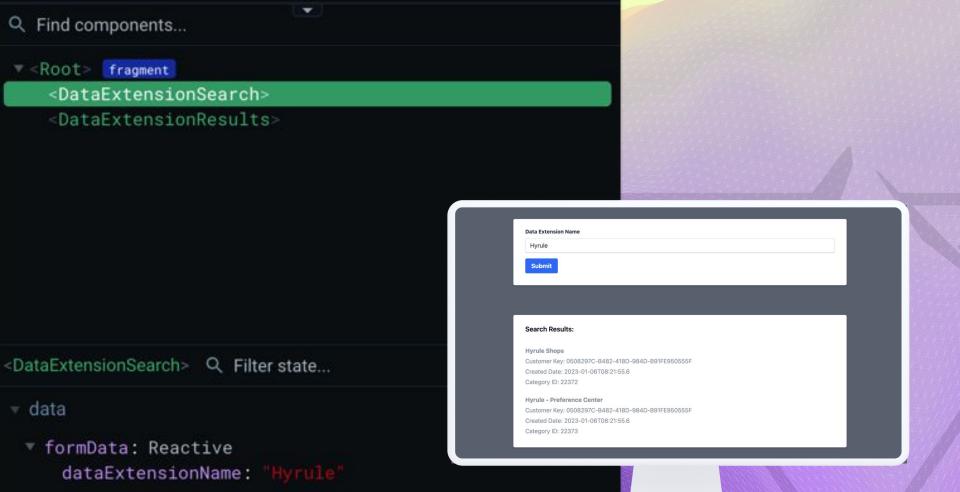
DevTools

Visualize your data

Track down problem components

See events and their resulting actions

Test variables/state directly in the browser



When Should VueJS be used?

Small to Medium sized pages/apps

Handling and keeping track of a lot of data



Thank you!



Socials & Full Project Code

