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Nuxt + Netlify

Supercharged Static Site Generation

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Let's do this

1. Intro
2. Static Sites and the JAMstack
3. Nuxt
4. Demo & Netlify



1. Intro



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How this has impacted our work

Full-service digital agency working with nonprofits, advocacy groups, brands, and political campaigns.

How can we, with the skills and team we have, take on smaller-scale projects and crank them out faster, for less?



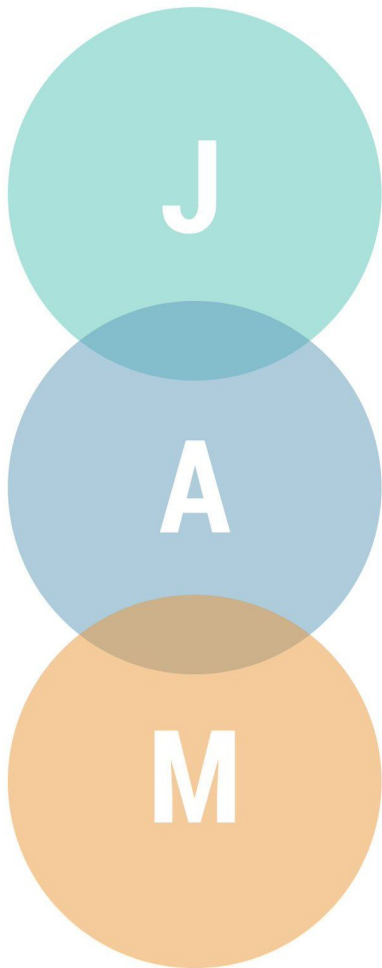
2. Static Sites and the JAMstack



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Welcome to the JAMstack

An elegant process for a more civilized age.



JavaScript

Any dynamic programming during the request/response cycle is handled by JavaScript, running entirely on the client. This could be any frontend framework, library, or even vanilla JavaScript.

APIs

All server-side processes or database actions are abstracted into reusable APIs, accessed over HTTP with JavaScript. These can be custom-built or leverage third-party services.

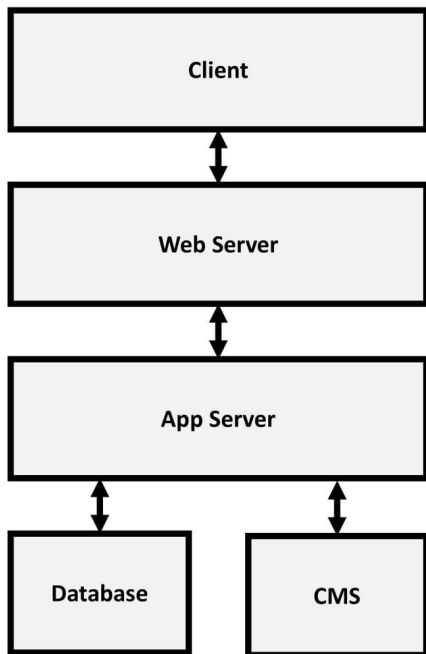
Markup

Templated markup should be prebuilt at deploy time, usually using a site generator for content sites, or a build tool for web apps.

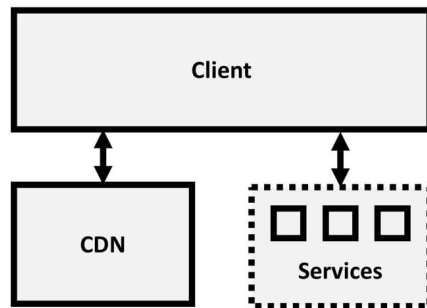
Source: <https://www.jamstack.org>



Traditional Web

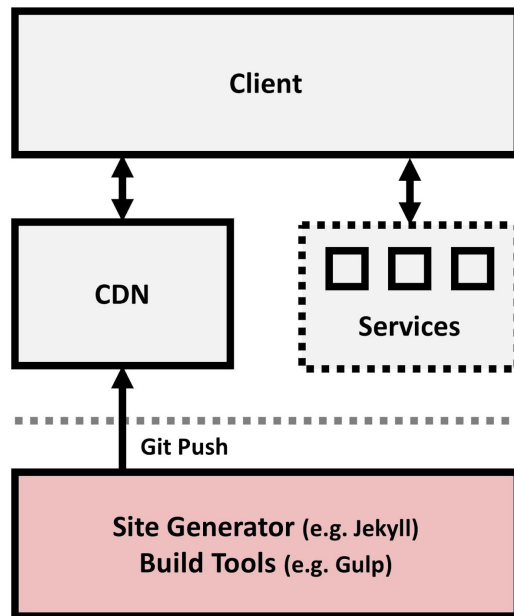


JAMstack





JAMstack (DEV View)





Benefits of static sites and the JAMstack

Performance

All files are static and served from a CDN. No server-side generation done on the fly from a central server cluster..

Security

Static files aren't exploitable. No databases. Any server-side processes are abstracted out to APIs. Avoid reliance on a vulnerable monolith with plugins (looking at you, WordPress).

Cost

Static files are super-cheap to host. (Netlify is largely free!) Any server-side processes can be moved to lambda functions and pay-as-you go models.

Developer Experience

Loose coupling means better debugging and development. Git-based workflow makes for easy continuous integration and deployment.



3. Nuxt



What it is and why you should care

Nuxt - a Vue template for universal applications

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1. Comes bundled with Vue 2, Vue Router, Vuex, Vue Server Renderer, vue-meta
2. Easy set up for SSR in Node.js
3. Includes a static site generation command
4. Great webpack and router configuration with don't-need-to-think-about-it code spitting



4. Demo & Netlify





thanks