React and the JAMstack

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Build, deploy, and manage modern web projects

Get an all-in-one workflow that combines global deployment, continuous integration, and HTTPS. And that’s just the beginning.

Get started for free

Deploy your site in seconds
Building thousands of websites

7 years in Spain, 2 CMSs, 10k+ websites
Building a fully hosted CMS

Moved to the Bay Area, built a managed CMS for the legacy stack
Trends: Git, MicroServices, JS

- Git vs FTP
- Microservices
- Modern Javascript (ES6)
- ReactJS
The Web Needs a Paradigm Shift

For the last 15 years the web has been built on the fly, causing ever increasing issue with:

- **Security**
  - 7% of all legacy sites hacked

- **Performance**
  - Single origin, builds for every visitor, low conversion

- **Scalability**
  - Infrastructure needs scaling up front
The Evolution of the Web

Unix Model

Legacy Web
(The site needs to be built EVERY time it’s served)

Modern Web

~1970-1997
~1997-Today
Now
A New Stack

Decoupled Architecture + Git Centric Workflow = A Better Web

- 10x Faster
- No more malware
- Infinitely scalable

Diagram with components:
- Browser
- CDN
- Services
- Build Tool
- Continuous Delivery
- Git
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.
A New Stack

- React
- CDN
- Webpack
- Lambda
- Algolia
- Auth0
- Stripe
- Firebase
- DATO
- Contentful
A New Stack

- React
- CDN / Gateway
- Webpack
- algolia
- stripe
- Auth0
- Lambda
- Firebase
- Dato
This project is based on Create React App. (For more information about Create react App, check their full documentation.)

The main addition is a new folder: `src/lambda`. Each JavaScript file in there will automatically be prepared for Lambda function deployment.
A Little Surprise Is Waiting For You Here — Meet The Next Smashing Magazine

The Art Of Calligraphy: Getting Started And Lessons Learned

# Smashing Magazine 1  # Redesign 6
A Smashing Architecture

- **Browser**
  - **Netlify CMS (React)**
  - **Front-end / Preact**
  - **Microservices / Lamba**
  - **Hugo + Webpack**
  - **GitHub**
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Let’s Continue The Talk!

#JAMstack
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