

# Bread and JAMs With Tony

July, 2020

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**WHAT?**

# What

This is jam



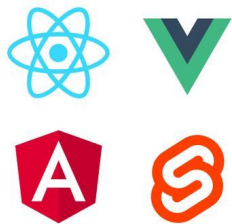
This should be JAMstack ??



# What

## J

Javascript



## A

APIs



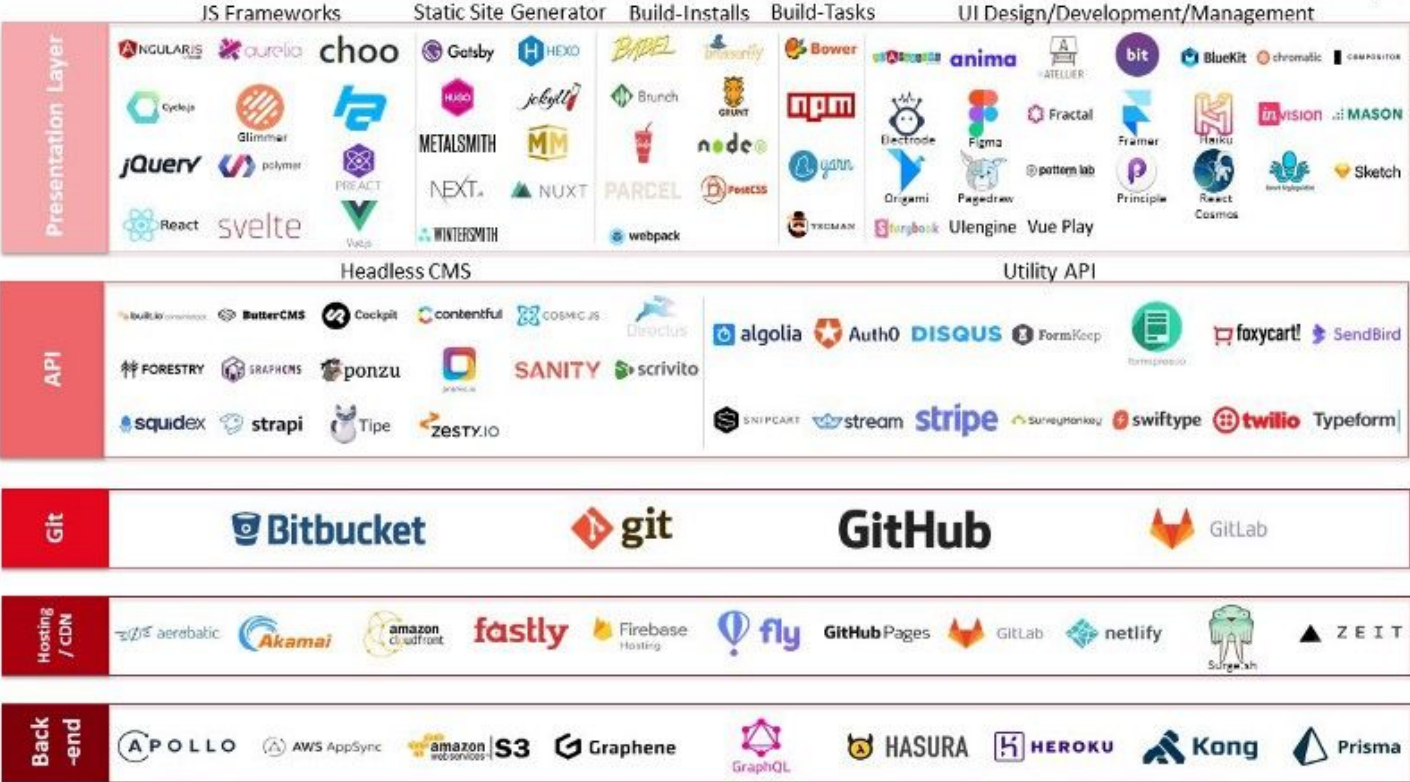
## M

Markup



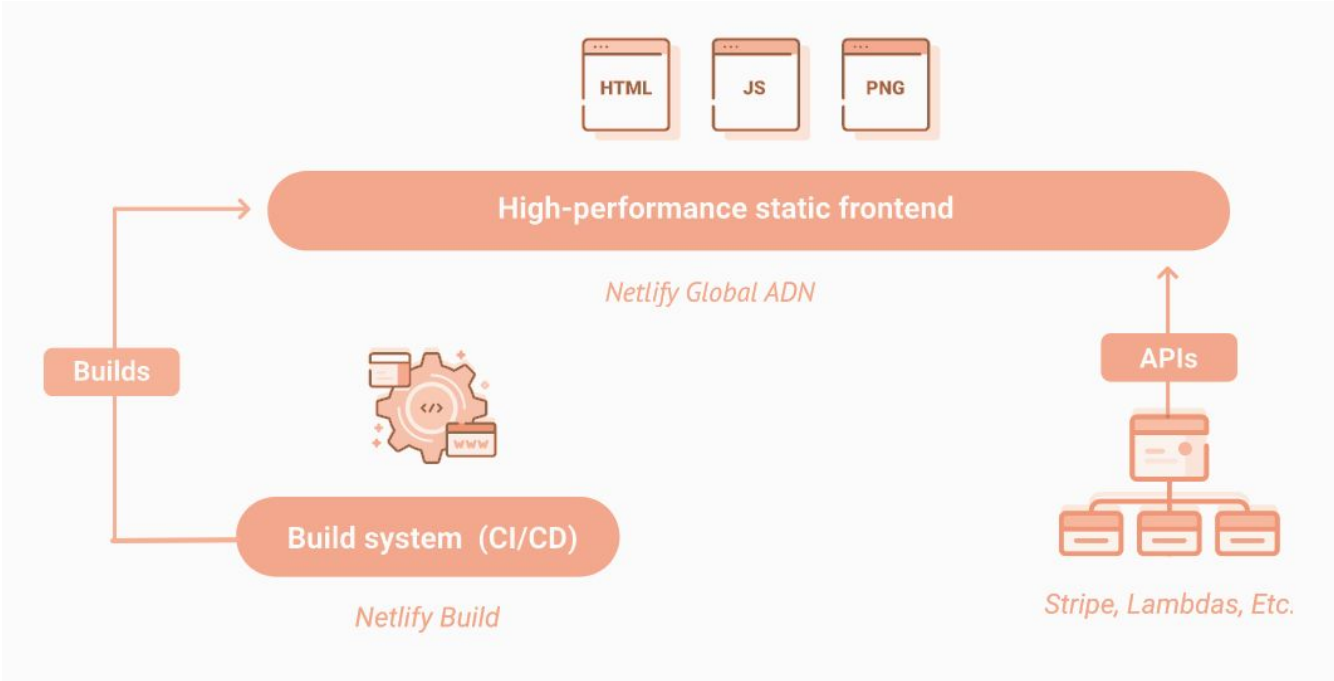
# What

## JAMstack Ecosystem



# What

## 1. Decoupling the frontend from the backend



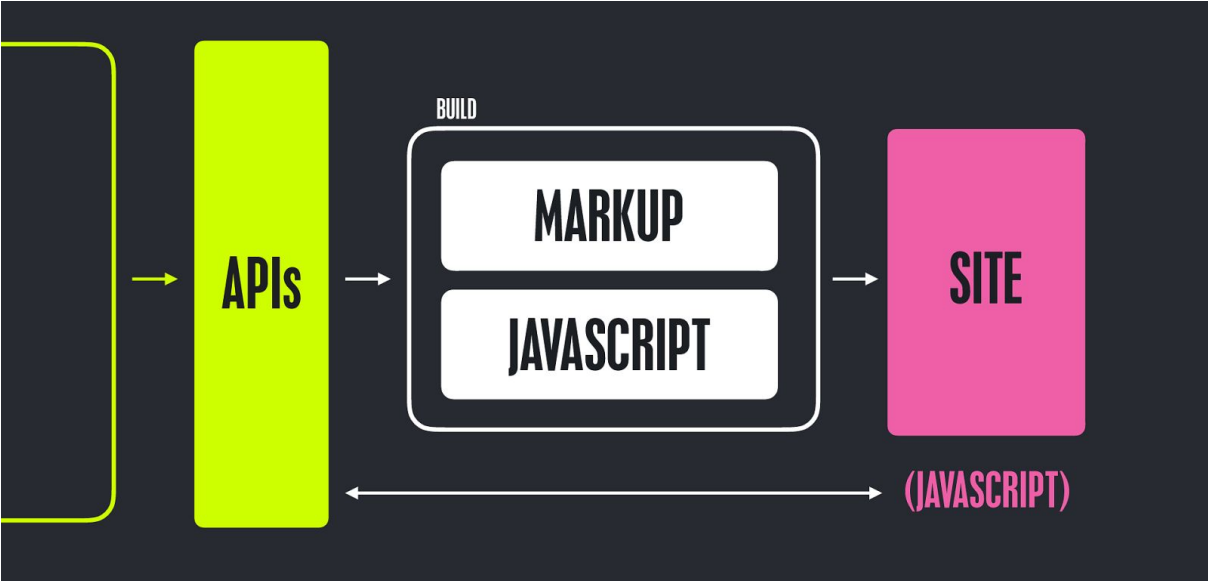
# What

## 2. Prebuilding all pages for speed

JAMSTACK DEV OPS

Static Site  
Generation

## 3. Dynamic content via APIs





# What

## Limitation

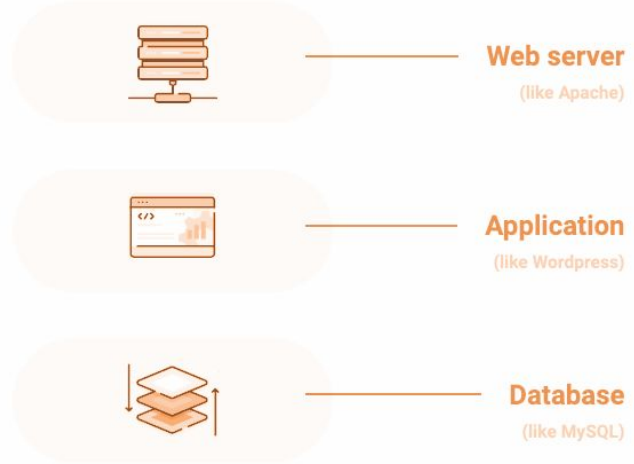
- Not great with heavy, dynamic features
- Highly dependent on third-party systems

**WHY?**

# Why

## The problem with the legacy web

- **Complex apps and complex servers**
- **It can be outdated and slow down**
- **Expensive to scale up**
- **Open opportunities for attack**



## What is JAMstack benefit?

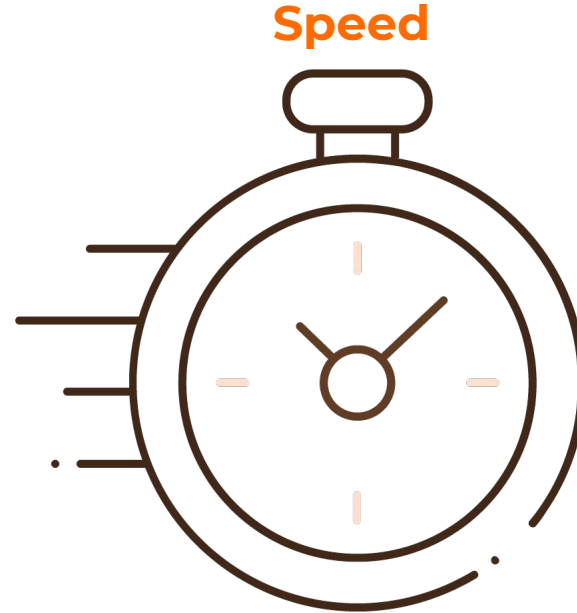
- Faster websites
- More secure infrastructure
- High scale without high complexity
- Improved developer experience

# Why

## What is JAMstack benefit?

Optimize your site with prerendering and global delivery via CDN.

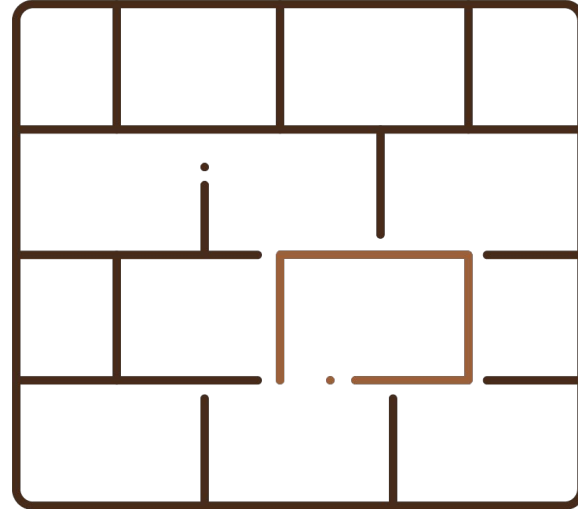
JAMstack website is blazing faster.  
Better speed, better SEO.



## What is JAMstack benefit?

Without complex server applications and databases, resulting in a **very stable architecture**.

Stability

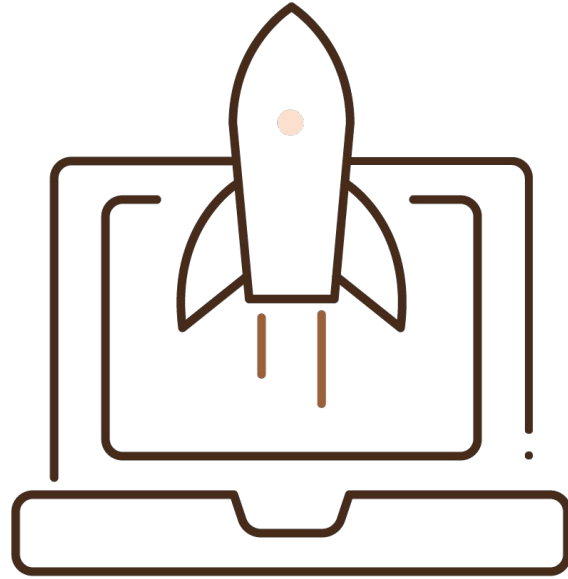


# Why

## What is JAMstack benefit?

### Scalability

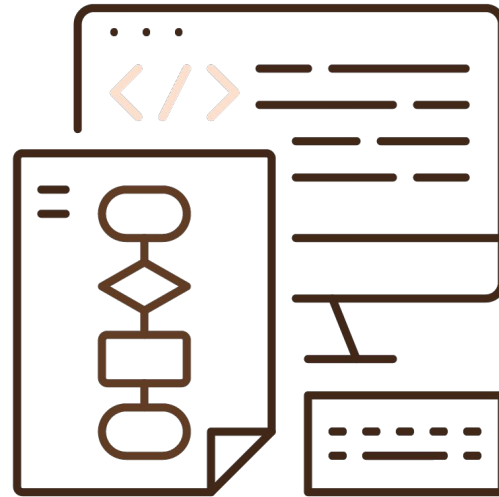
The **cost to scale** a Jamstack website or application is **significantly less** versus a database-driven website.



## What is JAMstack benefit?

By design, Jamstack architectures offer **fewer points** of attack.

### Security



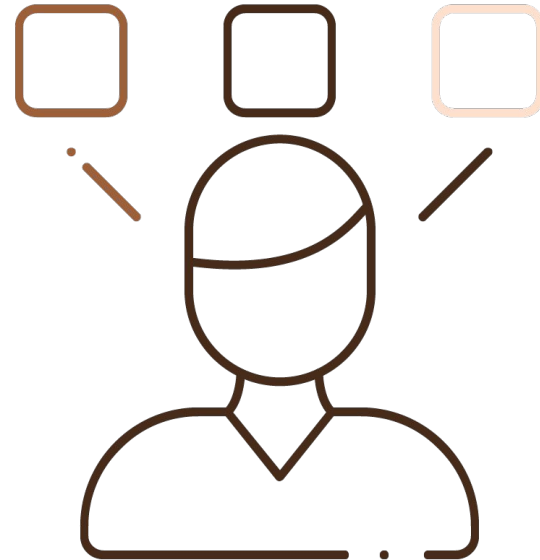


## What is JAMstack benefit?

### Better developer experience

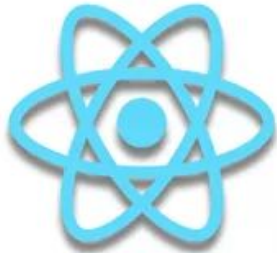
Front end developers can focus on the front end, without being tied to a monolithic architecture.

This usually means quicker and more focused development



**HOW?**

## 1. Choose a JS FE framework



The Holy Trinity of JavaScript frameworks  
is [React](#), [Vue](#) & [Angular](#).

## 2. Choose a Static site generators

These are powerful static site generator. You can choose one to start with you framework.

Gatsby & Next.js for React,  
Nuxt & Gridsome for Vue



## 3. Choose a Headless CMS

Content Management Systems are really great for a few things:

- manage user permissions
- editor roles and,
- obviously, content.



## 4. Choose a way to deploy

Your built site needs to be hosted somewhere. There are great services that provides this for free and with ease.

- [Netlify](#)
- [Vercel](#)
- [Github Pages](#)
- [Stackbit](#)

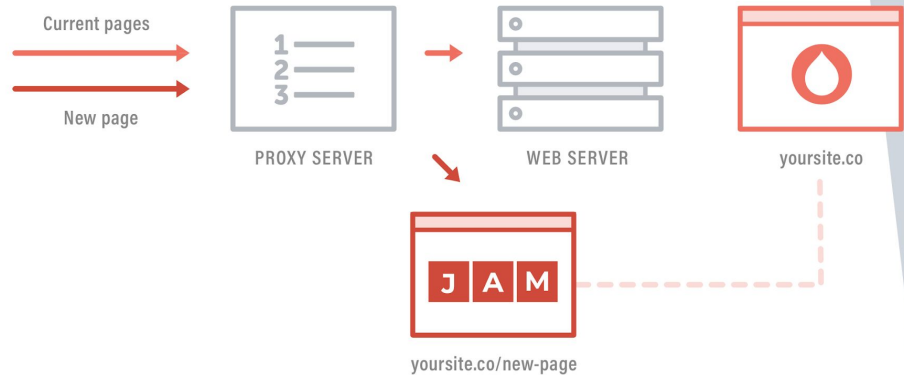
## 5. Add Dynamic parts

The current API economy and explosion in SaaS offers an interesting à la carte approach.



## Migrate

# MIGRATING TO THE JAMSTACK



Add a reverse proxy between the client and your current web server.

As time and budget allow, add new pages to your proxy server and adjust your proxy/redirect rules to omit the new page.

Requests for the new page will be sent directly from your new server, while all other pages will pass through to the old server.

[ample.co/jamstack](https://ample.co/jamstack)





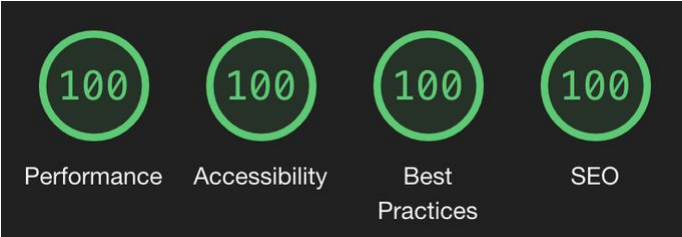
HOW

# MAKE THE CLIENT FEEL IT



# HOW

## MAKE THE CLIENT FEEL IT



Supermaya scores 100% on Lighthouse tests.

**Q&A**

**REFERENCE**

- <https://snipcart.com/blog/jamstack>
- <https://www.luminary.com/blog/benefits-of-the-jamstack>
- <https://jamstack.wtf/#development>
- <https://agilitycms.com/resources/posts/migrate-to-jamstack-now-no-excuses>
- <https://medium.com/@gianfranconuschese/the-jamstack-return-of-the-server-side-rendering-5a1313dafc92>
- <https://medium.com/memory-leak/the-jamstack-its-pretty-sweet-e0834e4e6bb7>
- <https://agilitycms.com/resources/posts/migrate-to-jamstack-now-no-excuses>

# THANK YOU

Any concerns or question, feel free to contact at  
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