

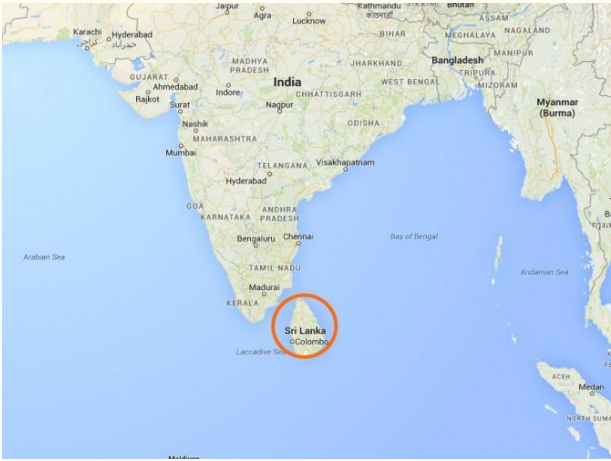
Using WordPress With Static Site Generators



@muhsink



Muhammad Muhsin



JAMstack

—





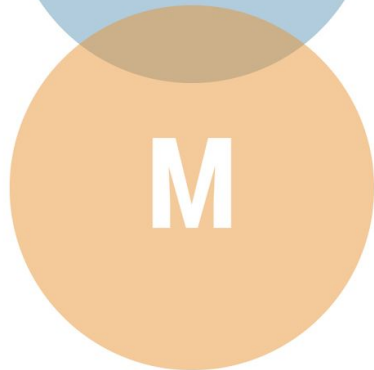
JavaScript

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 HTTPS with JavaScript. These can be custom-built or leverage third-party services.

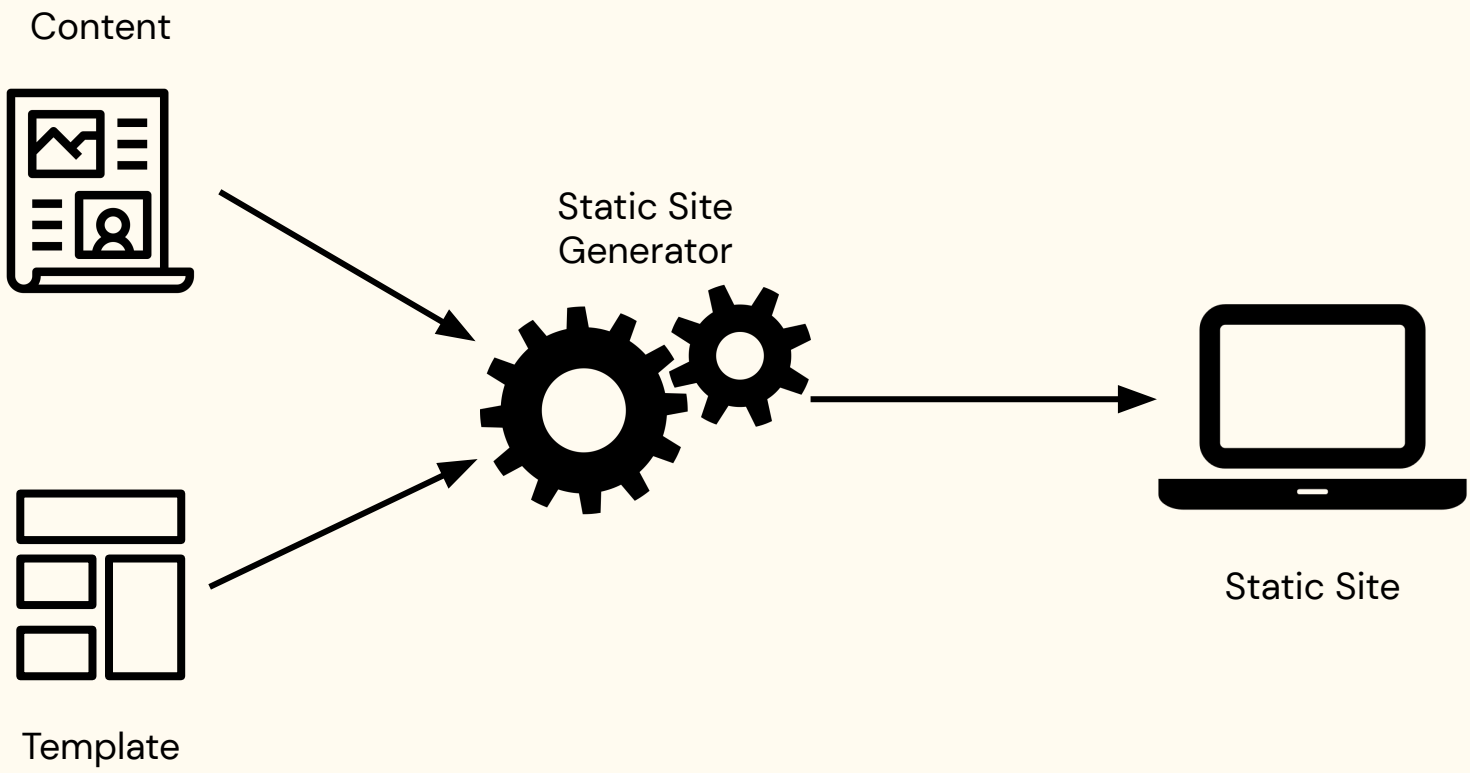


Markup

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

Static Site Generators

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GitBook



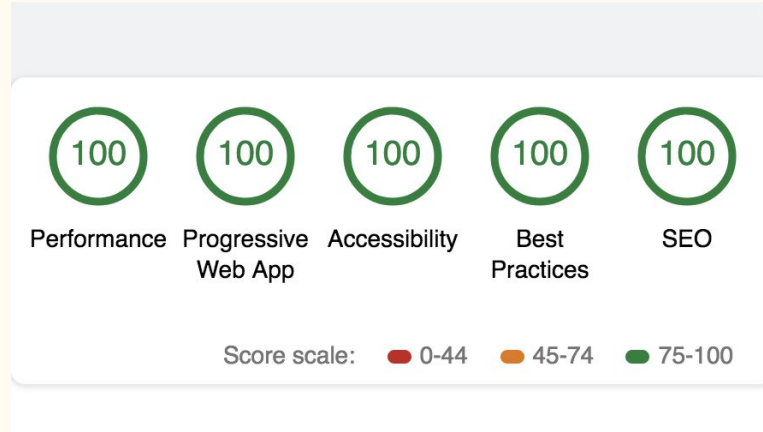
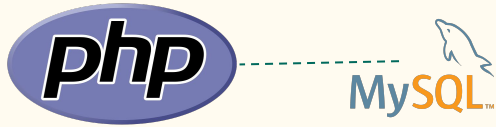
 **Gridsome**





Why Gatsby?

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Blazing Fast ⚡



Jason Bahl

@jasonbahl



"Help! my blazing fast @gatsbyjs site just got hacked"

- said no one, ever

♥ 55 2:27 AM - Feb 15, 2019



[See Jason Bahl's other Tweets](#)



Super secure 



Sam Bhagwat

Bay Area adoptee. Gatsby co-founder. Programmer, econ nerd, startup enthusiast
3 min read · June 21st 2018

Escalade Sports: From \$5000 to \$5/month in Hosting With Gatsby

Escalade Sports is a sports equipment company with a portfolio of 40 brands across a wide variety of sports—from Goalrilla basketball hoops to Bear Archery bows to Onix pickleball paddles.

<https://www.gatsbyjs.org/blog/2018-06-14-escalade-sports-from-5000-to-5-in-hosting/>

Very cheap 

UX



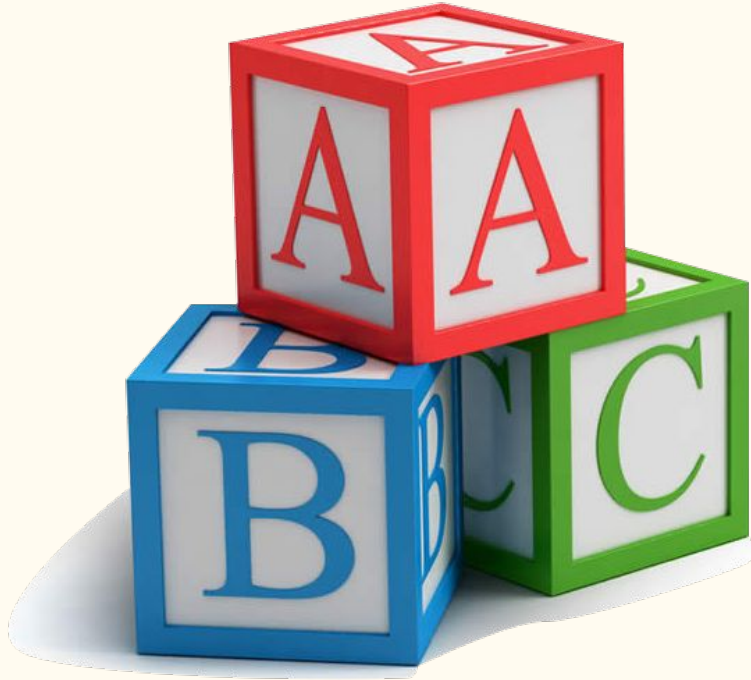
VS

DX



Gatsby has great UX too!

Awesome Developer Experience (DX) 



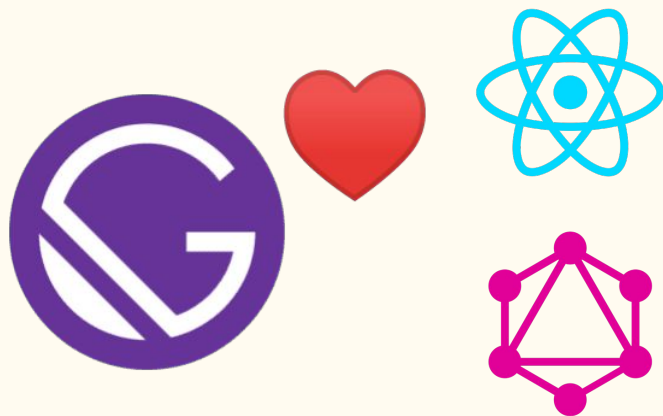
Great Docs!

Awesome Tutorials!

Many first-timers!

Easy to get started 🚀

"Gatsby helped me get started with React & GraphQL"



<https://youtu.be/y73pFmTIR9Q>

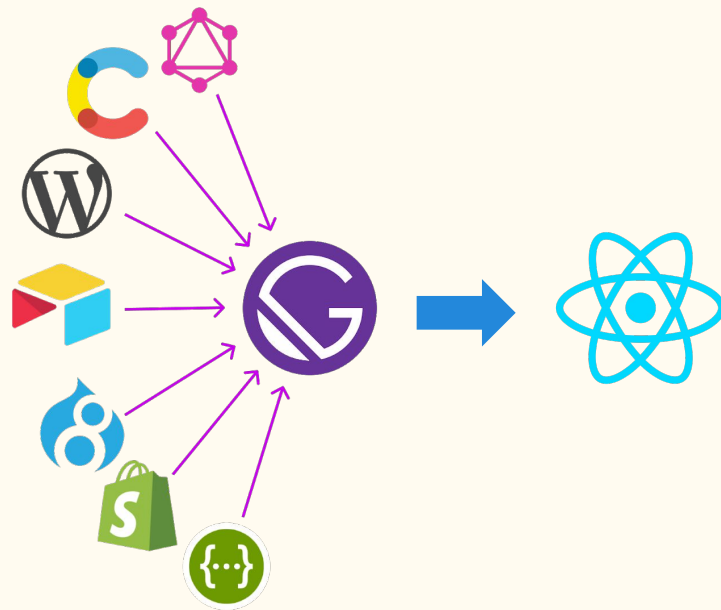
Learn React and GraphQL on the go 

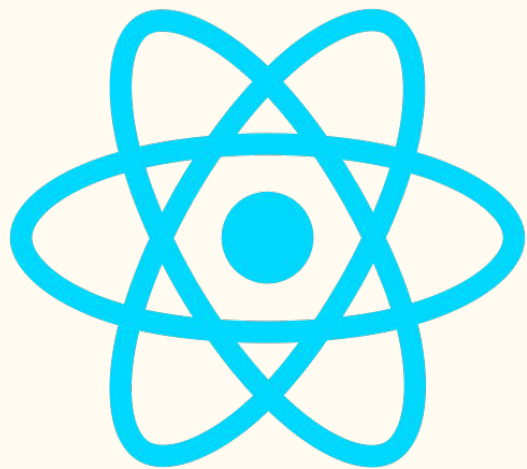


So, what really is Gatsby?

What Is Gatsby?

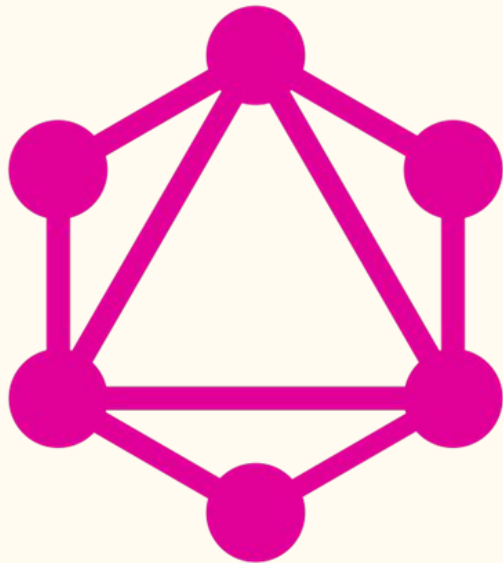
- A blazing fast React-based static site generator
- An application framework
- Connects to multiple APIs
- Build JAMstack sites
- Hydrates to a React app





React

- Replaces the view layer of your application
- Declarative, Composable and Reusable Components
- Write HTML (JSX) within JavaScript
- Virtual DOM



GraphQL

- Ask for what you need, get exactly that
- An alternative to REST API
- Single endpoint
- Get many resources in a single request
- Created by Facebook, now open source



+

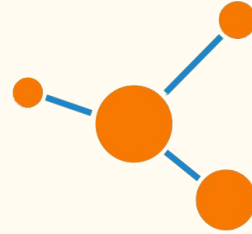


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2 Ways

1. Using WordPress REST API



2. Using WPGraphQL



Using WPGraphQL

- Install [gatsby-source-graphql](#) plugin
- Fetches from GraphQL and stitches the schema
- Needs [WPGraphQL](#) plugin
- Faster
- More scalable



WPGraphQL

- Exposes WordPress data as GraphQL schema
- Open source project
- Created by [Jason Bahl](#)
- Install a WordPress plugin
- Has add-ons for ACF and more...

Starting a Gatsby Project

—



```
npm install --global gatsby-cli
```

```
gatsby new my-project
```

```
cd my-project
```

```
gatsby develop
```

Enter Gatsby Themes

—

Gatsby Themes

- Abstract away code into a separate package
- Let end user focus on content
- Use multiple themes on the same project
- Child theme support



Gatsby WP Themes

- Porting WordPress themes to Gatsby
- Initiated by [Zac Gordon](#)
- [Twenty Nineteen Gatsby Theme](#)
- [Tabor Gatsby Theme](#)
- Check out [GatsbyWPThemes.com](#)

Lessons

```
const createPosts = require(`./utils/createPosts`)
const createPages = require(`./utils/createPages`)
const createUsers = require(`./utils/createUsers`)
const createCategories = require(`./utils/createCategories`)
const createTags = require(`./utils/createTags`)

exports.createPages = async ({ actions, graphql }) => {
  await createPosts({ actions, graphql })
  await createPages({ actions, graphql })
  await createUsers({ actions, graphql })
  await createCategories({ actions, graphql })
  await createTags({ actions, graphql })
}
```

Don't put everything in one place.



Be a part of the growing community!



You may not need a SSG!

Why not Gatsby?

- Content not available immediately
- No incremental builds (yet) for WordPress
- Most WP Plugins may not work out of the box

What we covered

- JAMstack & SSGs
- Gatsby
- WordPress + Gatsby
- gatsby-source-graphql
- WPGraphQL
- Gatsby Themes

Next steps!

- [Gatsby and WordPress – best friends or foes?](#)
- [Tutorial on creating a Gatsby Theme based on Twenty Nineteen WordPress Theme](#)
- [Gatsby + WordPress with WPGraphQL \(with Jason Bahl\)](#)
[– Learn With Jason](#)
- Watch [Jason's talk](#) on Gatsby + WPGraphQL



```
let us = { ...kindness };
```


Thank you! 😊

—



Jason Bahl



Tessa Kriesel



@muhsinlk

muhammad@rtcamp.com



We are hiring!



rt.camp/join

Credits - Image Sources

- [JAMstack](#)
- [JAMstack website](#)
- Static Site Generators: [Content](#) [Laptop](#) [Gears](#)
- [Easy to get started](#)
- [What Is Gatsby?](#)
- [Be a part of the growing community!](#)