



Gatsby

More than a Static Site Generator

Slides: leko.io/gatsby-introduction

Place - Date



What is Gatsby?



Gatsby is a free and open source
framework based on React to build
websites & apps



static files !== static app

Gatsby rehydrates into a **React** app



A static app generator for React

Fast in every way that matters

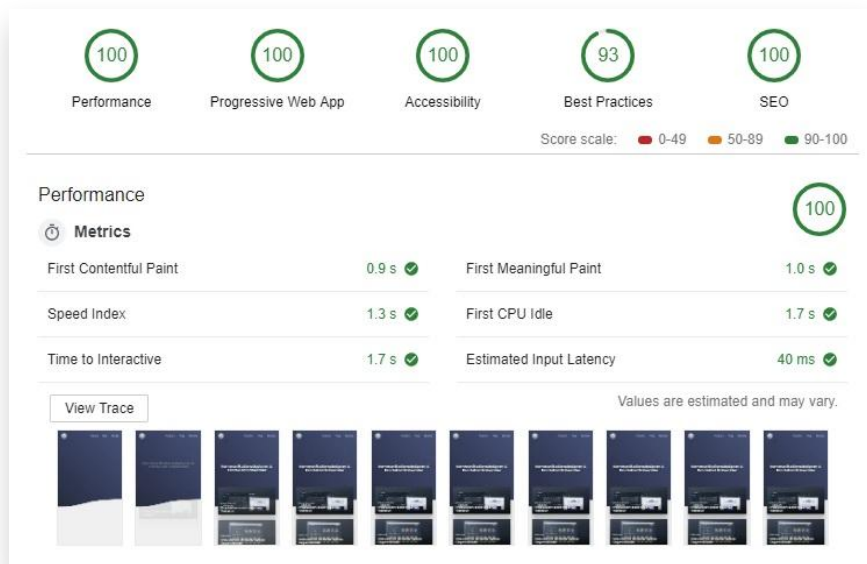


Gatsby *starts* as a static HTML/CSS and then lazy loads the JS to turn the same page into a React app.

So all other things being equal, it'll be the same speed as a static HTML/CSS site.

But things **aren't** equal as Gatsby does a ton of optimizations on its static HTML/CSS.

Blazingly fast by default

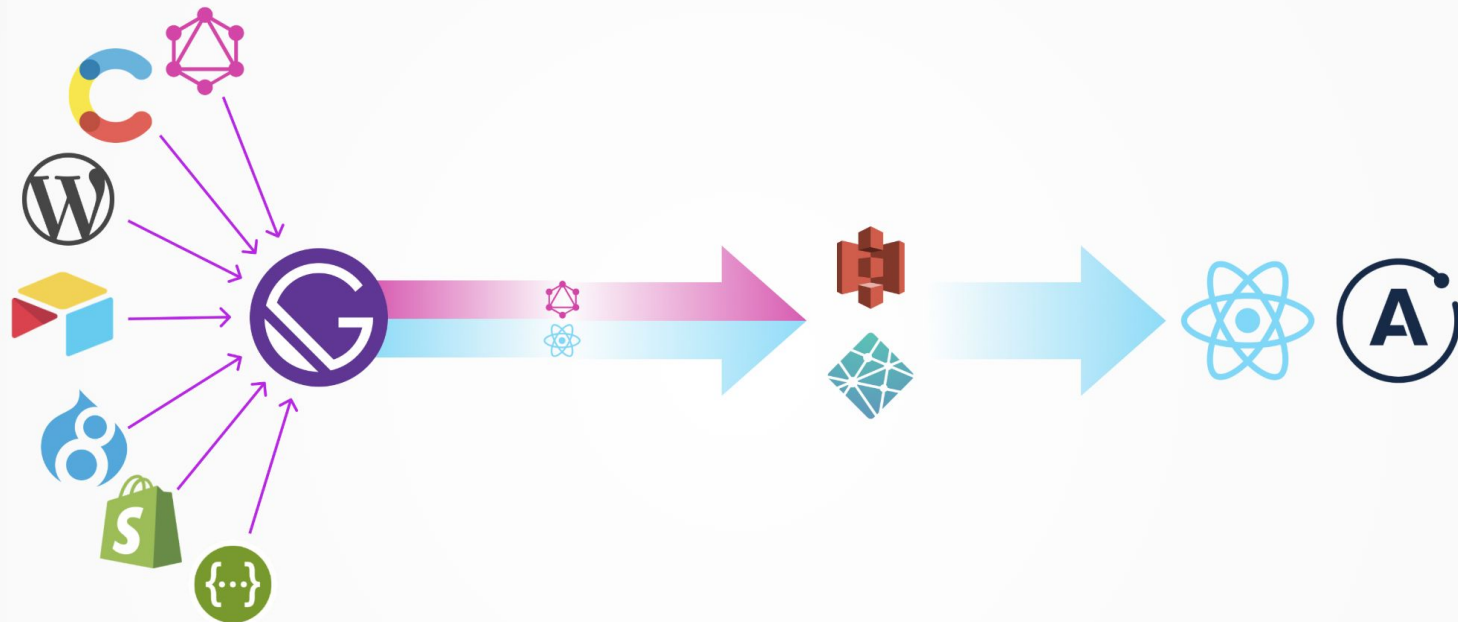




How?

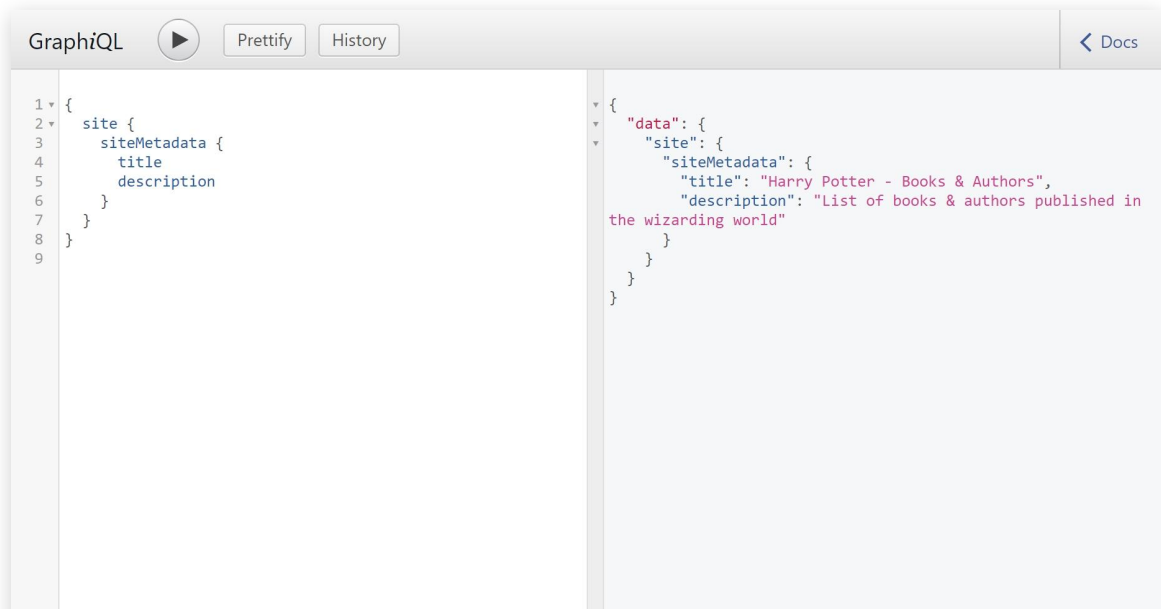
- Follows the PRPL pattern
- Route-based code splitting
- Lazy-loading pages whose links are in the viewport
- Inlining of critical resources
- Simple to do, high performant image optimizations

Life of a Gatsby app



GraphQL

GraphiQL Playground



The screenshot shows the GraphiQL Playground interface. The top bar includes the title "GraphiQL", a play button, and buttons for "Prettify" and "History". On the right side of the top bar is a link labeled "< Docs". The main area is split into two panes. The left pane contains a GraphQL query with line numbers 1 through 9. The right pane displays the JSON response to the query.

```
1 {  
2   site {  
3     siteMetadata {  
4       title  
5       description  
6     }  
7   }  
8 }  
9
```

```
{  
  "data": {  
    "site": {  
      "siteMetadata": {  
        "title": "Harry Potter - Books & Authors",  
        "description": "List of books & authors published in  
the wizarding world"  
      }  
    }  
  }  
}
```

gatsby-image





Gatsby by analogies

- Start off with a pre-configured development environment and build process (high-performance car)
- Benefit from built-in performance optimization (Neo's Matrix skills)
- Leverage static site delivery and web app experience (Compressed mattress)
- Prefetch resources for snappy routing (Psychic delivery person)
- Consolidate data sourcing and transformations (Amazon)



Community & Ecosystem

Statistics

★ ~ 34K GitHub stars

👤 ~ 2000 Contributors

📈 ~ 1M monthly downloads

Contributor onboarding



gatsbybot [bot] commented 1 minute ago



Holy buckets, @Audience — we just merged your PR to Gatsby! 🙌❤️

Gatsby is built by awesome people like you. Let us say "thanks" in two ways:

1. **We'd like to send you some Gatsby swag.** As a token of our appreciation, you can go to the [Gatsby Swag Store](#) and log in with your GitHub account to get a coupon code good for one free piece of swag. (Currently we've got a couple t-shirts available, plus some socks that are really razzing our berries right now.)
2. **We just invited you to join the Gatsby organization on GitHub.** This will add you to our team of maintainers. Accept the invite by visiting github.com/orgs/gatsbyjs/invitation. By joining the team, you'll be able to label issues, review pull requests, and merge approved pull requests.

If there's anything we can do to help, please don't hesitate to reach out to us; tweet at [@gatsbyjs](#) and we'll come a-runnin'.

Thanks again!

For Existing Contributors

Get Gatsby Swag for FREE!

Already contributed to Gatsby? Claim your personal coupon code and get free swag by logging in with your GitHub account!

[Log in with GitHub](#)

For Future Contributors

Never contributed to Gatsby?

Let's get you started with your first contribution to Gatsby! Once you've had your first pull request merged into Gatsby, you can come back here to claim free swag.

[Explore Open Issues](#)

Get Gatsby Swag!

The money we charge for swag helps to cover production and shipping costs. In the unlikely event that Gatsby swag ends up turning a profit, we'll reinvest that money into the open source community.



Dark Deploy Tee

Natural process soft ink print with a black logo on a dark grey shirt.

USD \$10.00

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Vintage Purple Tee

Keep it simple with this vintage purple tee. This t-shirt is super soft and printed with a...

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Space Socks

Get your feet into these spaced-out black socks with a Gatsby purple border and heel. The...

USD \$10.00

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Gatsby Sticker Pack

This 6-pack of die-cut Gatsby stickers is a great way to show off how fast your websites a...

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This Purple Hat Is Blazing Fast

Add more blazingly blazing speed to your wardrobe with this solid purple laundered chino L...

USD \$10.00

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[& buy →](#)

Monogram Trucker Hat

Dark grey and black, mesh, 6-panel trucker hat with snapback closure. Made of 100% polyester...

USD \$10.00

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All Purple Everything Full-Zip Hoodie (Vertical Long)



Gatsby Lapel Pin

Show us how you rock your custom



Mug for (Blazing) Hot Beverages



Freelance Pants

For the work-from-home



JAMstack Jammies


Be the life of your own comfy party



All Purple Everything Full-Zip Hoodie (Horizontal Long)

CLOSE SIDEBAR X



 **Gatsby**

Docs Tutorial Plugins Features Blog Showcase Contributing

869 results

gatsby-source-filesystem 518k

Gatsby plugin which parses files within a directory for further parsing by other plugins

gatsby-plugin-react-helmet 505.3k

Manage document head data with react-helmet. Provides drop-in server rendering support for Gatsby.

gatsby-plugin-sharp 435.2k

Wrapper of the Sharp image manipulation library for Gatsby plugins

gatsby-image 369.6k

Lazy-loading React image component with optional support for the blur-up effect.

gatsby-transformer-sharp 351.6k

Gatsby transformer plugin for images using Sharp

gatsby-plugin-manifest 320.9k

Gatsby plugin which adds a manifest.webmanifest to make sites progressive web apps

gatsby-plugin-offline 301k


Gatsby plugin which sets up a site to be able to run offline

gatsby-plugin-page-creator 582.8k

Gatsby plugin that automatically creates pages from React components in specified directories

gatsby-transformer-remark 271.3k

Gatsby transformer plugin for Markdown using the



Welcome to the Gatsby Plugin Library!

<

Need **SEO**?

>

There's a [plugin](#) for that.

Please use the search bar to find plugins that will make your blazing fast site even more awesome. If you'd like to create your own plugin, see the [Plugin Authoring](#) page in the docs! To learn more about Gatsby plugins, visit the [plugins doc page](#).

[Accessibility Statement](#) • [Gatsbyjs.com](#)

Gatsby

CATEGORY
Sites [549]
 Search sites

<input type="checkbox"/> AI							
<input type="checkbox"/> API	12						
<input type="checkbox"/> Accessibility	6						
<input type="checkbox"/> Advertising	2						
<input type="checkbox"/> Agency	36						
<input type="checkbox"/> Animation	1						
<input type="checkbox"/> App	12						
<input type="checkbox"/> Art	2						
<input type="checkbox"/> Artist	2						
<input type="checkbox"/> Asset Sharing	1						
<input type="checkbox"/> Athlete	1						
<input type="checkbox"/> Auction	1						
<input type="checkbox"/> B2B Services	3						
<input type="checkbox"/> Banking	4						
<input type="checkbox"/> Beauty	2						

ReactJS
Web Development, Featured

Flamingo
eCommerce, Beauty, Featured

IDEO
Agency, Technology, Featured, Consulting, User Experience

Airbnb Engineering & Data Science
Blog, Gallery, Featured

Impossible Foods
Food, Featured

Braun
eCommerce, Featured

NYC Pride 2019 | WorldPride NYC | Stonewall50
Education, Marketing, Nonprofit, Featured

Zinnov
THE STATE OF EUROPEAN TECH

Expedia
Make us booking travel just got easy

Gamification
Introducing the new online experience for your GAM Rewards Credit Card

Without My Career I wouldn't Be Where I Am Today.

A better way to design.



Starters

gatsbyjs.org/starters

Docs Tutorial Plugins Features Blog Showcase Contributing

Reset all Filters

GATSBY VERSION

2 170

CATEGORIES

AMP 1

API 1

AWS 1

App 1

Authentication 2

Blog 49

BuckleScript 1

ButterCMS 1

CSV 1

Charts 1

Client-side App 3

Contentful 8

GATSBY DEPENDENCIES

@gatsby-contrib/gatsby-plugin-elasticlunr-search 1

@greatgatsbyjs/gatsby-theme-ggt-material-ui-blog 1

@molin/gatsby-source-molin 1

@rhythifyou/gatsby-plugin-react-helmet-async 1

@tryghost/helpers-gatsby 1

@wapps/gatsby-plugin-material-ui 1

babel-preset-gatsby 10

170 Gatsby Starters (filtered)

Gatsby Starter Blog
A starter for a blog powered by Gatsby.
Updated 18.5.2019

gatsby-starter-netlify-cms
Example Gatsby, and Netlify CMS pr...
Updated 16.5.2019

gatsby-starter-lumen
A minimal, lightweight and mobile-f...
Updated 20.5.2019

gatsby-advanced-starter
GatsbyJS starter that includes exam...
Updated 10.5.2019

gatsby-starter-default
A simple starter to get up and devel...
Updated 18.5.2019

gatsby-starter-portfolio-cara
Playful & Colorful One-Page websit...
Updated 20.5.2019

gatsby-starter-material
GatsbyJS Material Blog theme.
Updated 10.5.2019

gatsby-universal
No description
Updated 17.5.2019

gatsby-starter-hero-blog
No description
Updated 28.2.2019

gatsby-starter
Gatsby 1.0 starter
Updated 20.5.2019

gatsby-starter-deck
Create presentations using Gatsby; ...
Updated 18.5.2019

gatsby-starter-gcn
A starter template to build amazing ...
Updated 24.4.2019

gatsby-starter-wordpress
Gatsby v2 starter for WordPress
Updated 13.3.2019

gatsby-starter-ecommerce
Gatsby starter ecommerce
Updated 6.4.2019

gatsby-starter-road-to-react
Calpa's Blog
Updated 17.5.2019

gatsby-starter-calpa
Calpa's Blog
Updated 17.5.2019

gatsby-starter-minimal-blog
Typography driven blog, focus on th...
Updated 20.5.2019

gatsby-starter-bootstrap
Simple starter for Gatsby
Updated 20.5.2019

gatsby-starter-ghost
A starter template to build lightning...
Updated 20.5.2019

gatsby-starter-casper
GatsbyJS starter that themed with ...
Updated 8.4.2019

gatsby-starter-hello-world
A simplified bare-bones starter for ...
Updated 18.5.2019

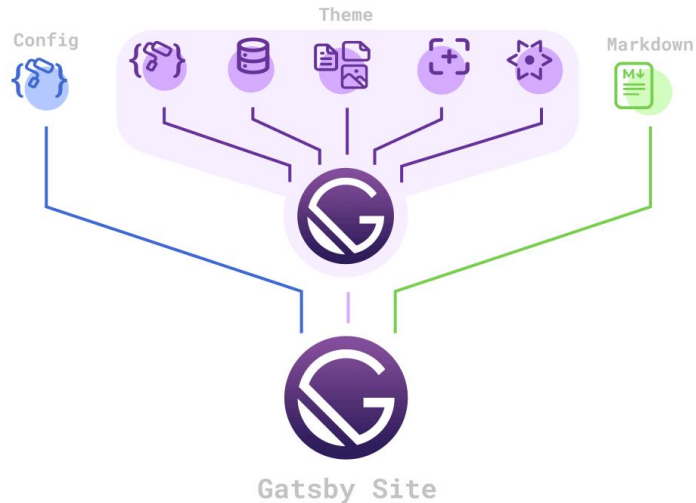
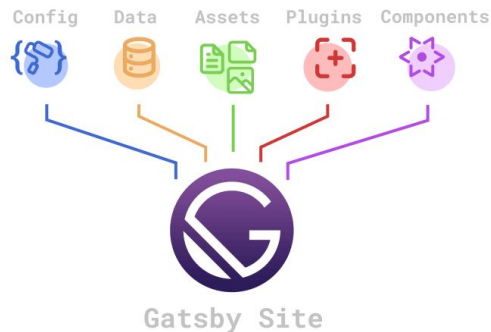


Gatsby Themes

A reusable block of a Gatsby site

These blocks can be:

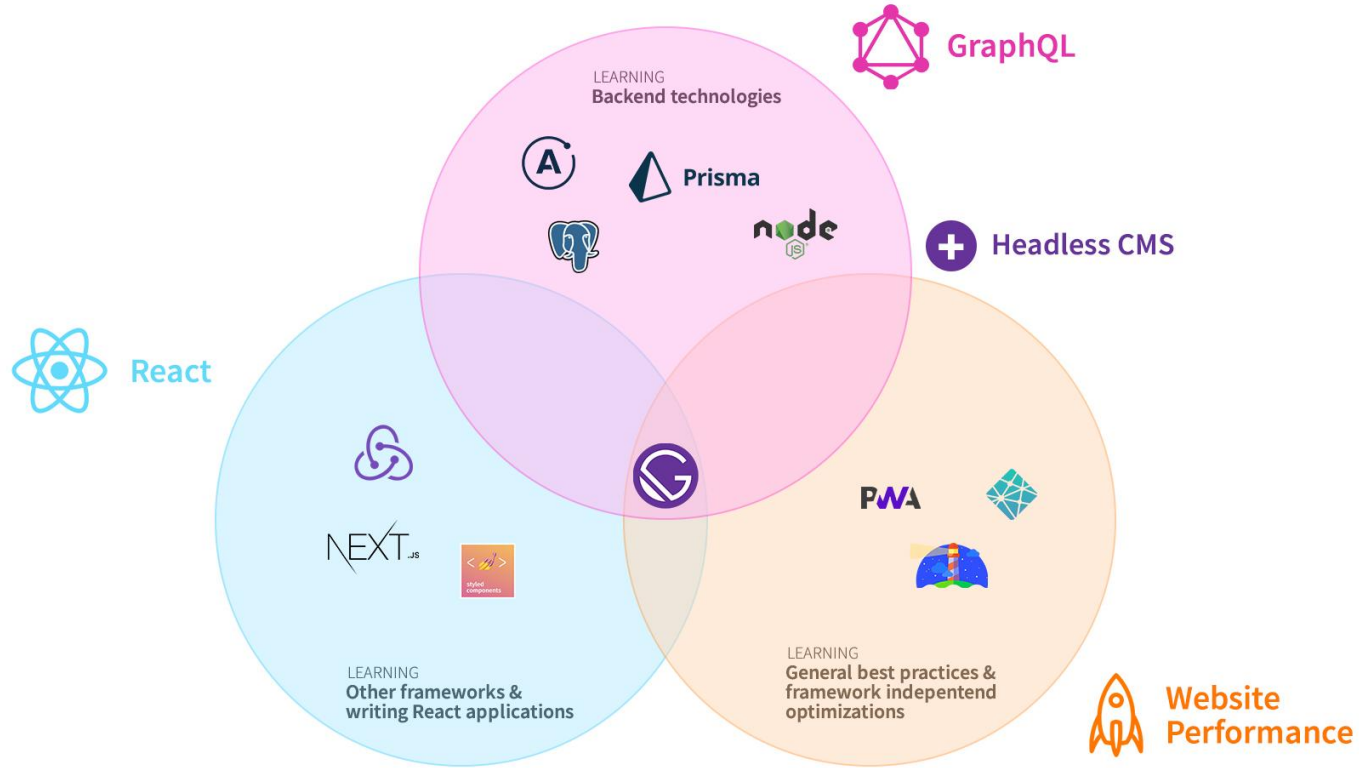
- shared, extended, customized
- purely data / UI driven, or combination of both





**Gatsby offers you a playground
to learn React**

Gatsby offers you a playground to learn React



Gatsby: The incentives to learn more



Demo

Series & Movies. LekoArts

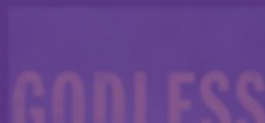
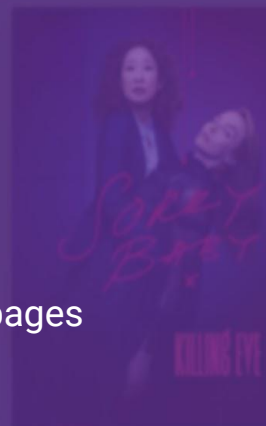
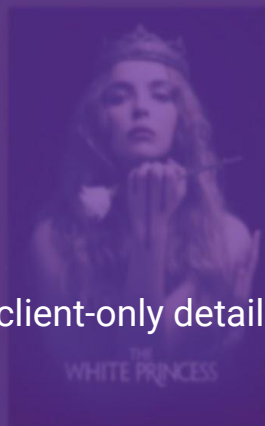
Legend

★ Trending ↗ Newcomer 📺 New Episodes 📅 Episodes \$ Seasonal 🌱 Returning Series 🎬 Trailer

Favorites Watchlist Lists

Discover

Unknown or small TV series that are awesome!



The Movie Database

Hybrid App: Statically rendered index, client-only detail pages
Uses custom source plugin
Uses react-spring & React hooks

That's all, folks! 🙌

www.lekoarts.de

 [@lekoarts_de](https://twitter.com/lekoarts_de)

 github.com/LekoArts

Slides: leko.io/gatsby-introduction

Resources

- [Beyond Static with Gatsby, React, GraphQL](#) by Dustin Schau
- [Beyond Static - Gatsby + Apollo](#) by Jason Lengstorf
- Using gatsby-image
- Gatsby by analogies
- Gatsby Swag store
- How Gatsby scales with your expertise & scope