

Querying Data with GraphQL



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Gatsby and Data



Gatsby and Data



Data: first class citizen in Gatsby

GraphQL

- Fetch data in a declarative way
- From databases, file system, etc.
- Via plugins

Gatsby and Data



Markdown file format

```
---  
title: "Gatsby is awesome"  
date: "2019-01-02"  
image: "https://tld.com/gatsbyjs.jpg"  
keywords: "blog"  
---
```

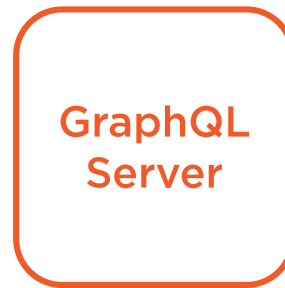
#If you are reading this, you know Gatsby is awesome!

Dolore anim duis enim sint elit et dolor pariatur ipsum.



Gatsby and Data

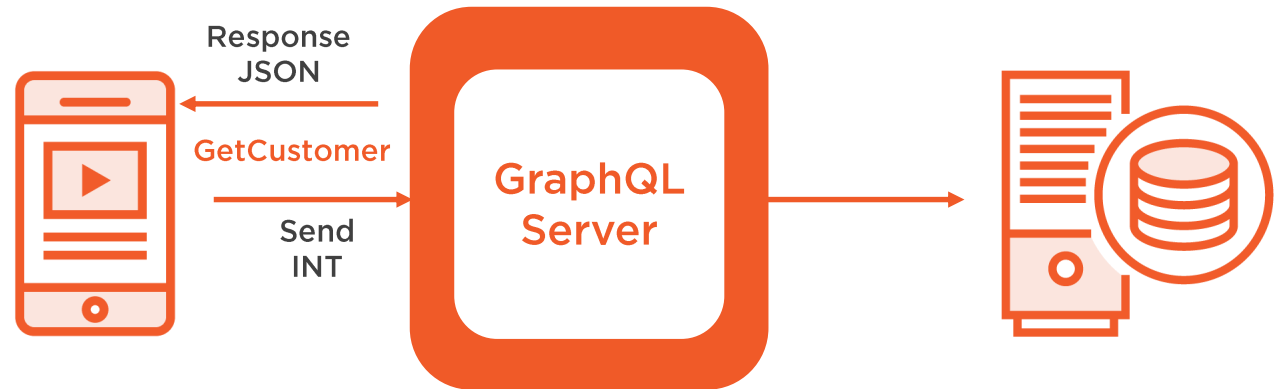
Write your own server application



Gatsby and Data



Write your own server application



GraphQL is a specification



Gatsby and Data



Gatsby uses GraphQL to fetch data at build-time (Native behavior)

Then creates static resources, like HTML pages.

Gatsby can also fetch data at run-time

- Create powerful applications



Two Types of GraphQL Queries

Page Queries

On Page components

index.js / about.js

Static Queries

On Non-Page components

header.js / title.js



Adding Site Metadata



Getting to know GraphQL



Introducing Page Queries



Introducing StaticQuery



Summary



Fetch data from many data sources

- Databases
- APIs
- CMS

Data fetching at build-time to create static resources, like HTML pages.

Two types of queries

- Page queries
- Static queries

GraphiQL

- In-browser IDE to explore GraphQL data sources.

