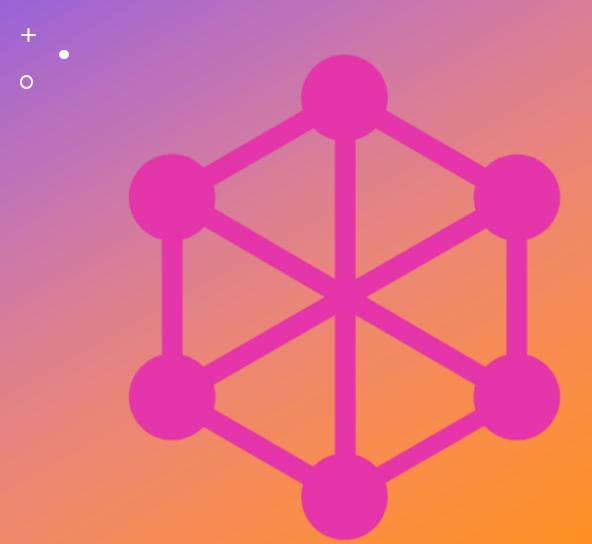
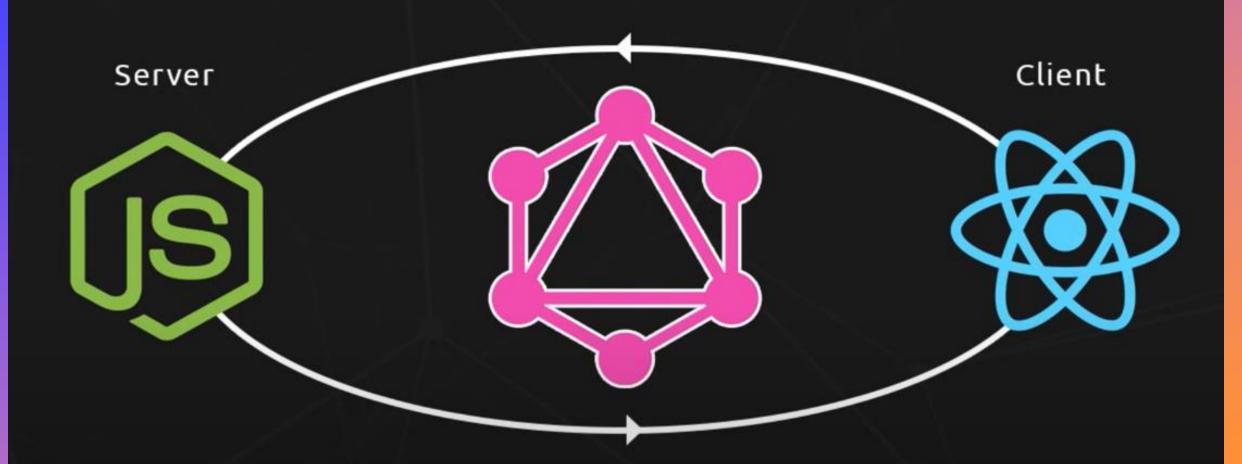
# GRAPHQL TUTORIAL

In this series we'll be creating, from scratch, a full-stack application, including a GraphQL server on Node.js, a React front-end (with Apollo) and MongoDB to store all of our data



# GraphQL



## What is GraphQL?

- GraphQL is a powerful query language



- Allows for a more flexible & efficient approach than REST

# A RESTful Approach...

Endpoint for getting a particular book:

domain.com/books/:id

title, genre, reviews, authorId

- Endpoint for getting the author info of that book:

domain.com/authors/:id

name, age, biography, booklds

# A GraphQL Approach...

- Query to get book data and it's author data (AND the other books):

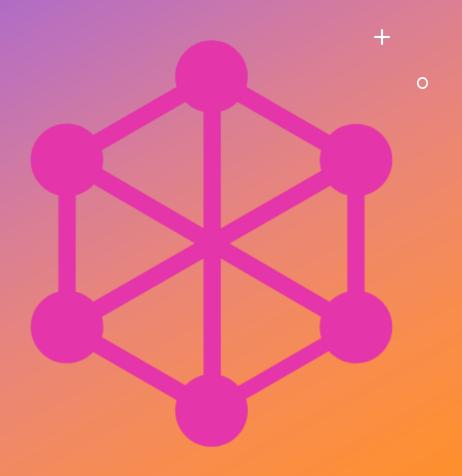
```
genre
  bio
```

### A GraphQL Approach...

Query to get book data and it's author data (AND the other books):

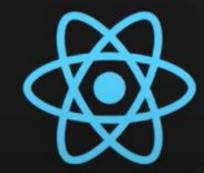
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bio
```

# A BIRD'S EYE VIEW OF GRAPHQL



#### REST API Endpoints

Front-end application (browser)



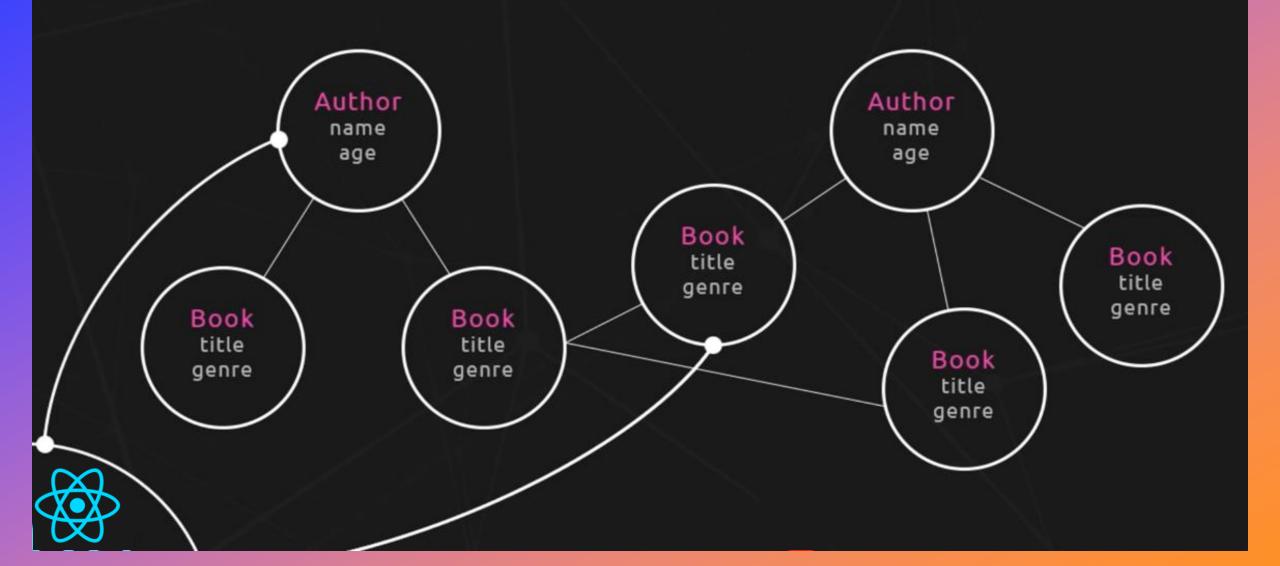
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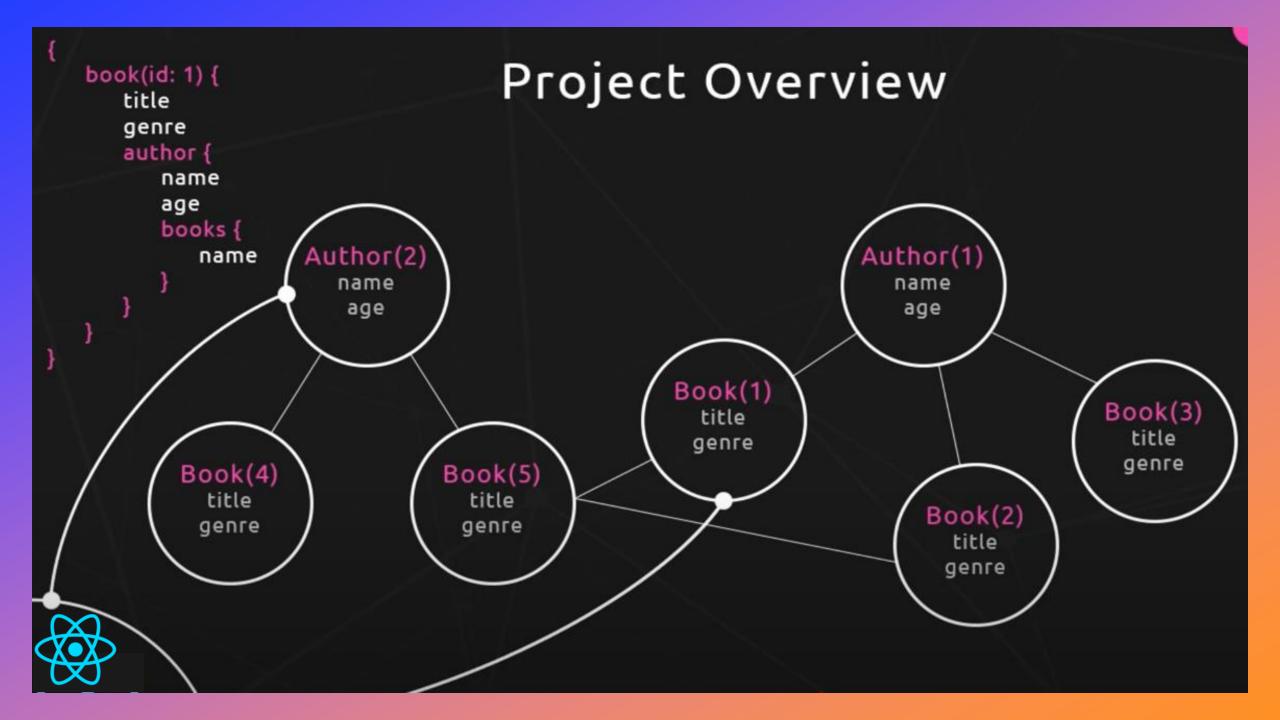
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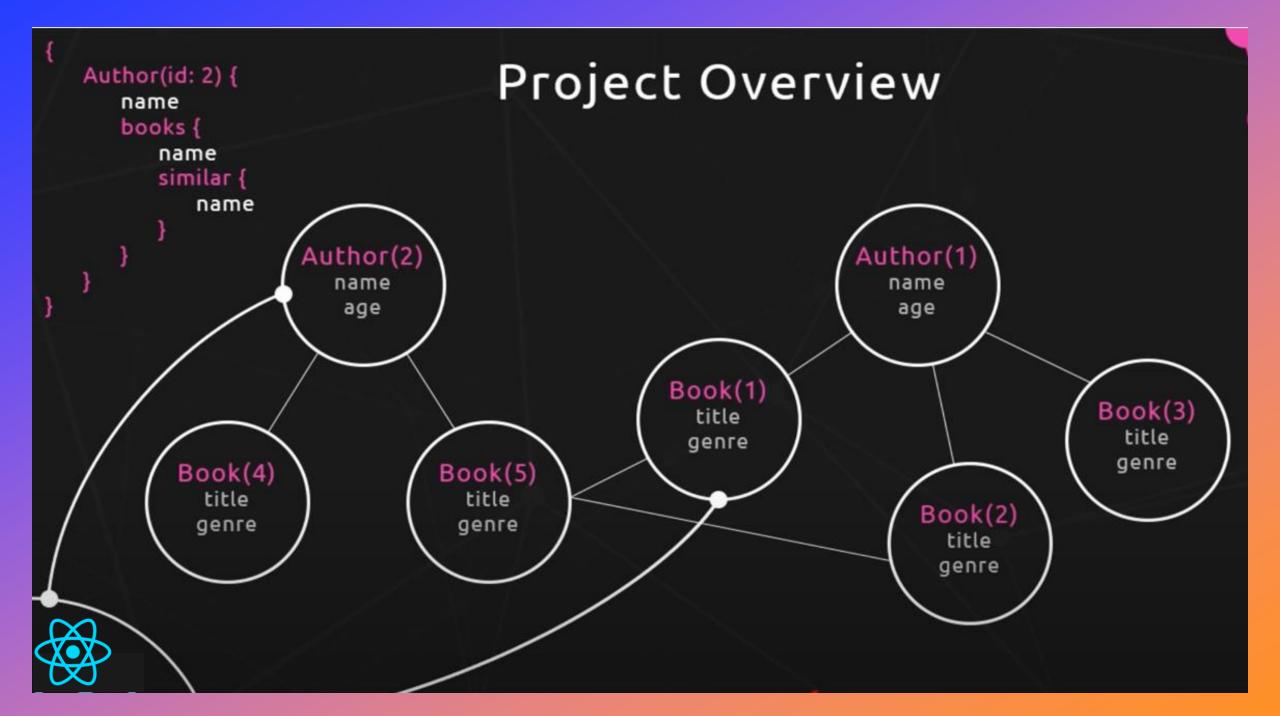
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Get a single author: domain.com/authors/:id

## Walking the Graph...

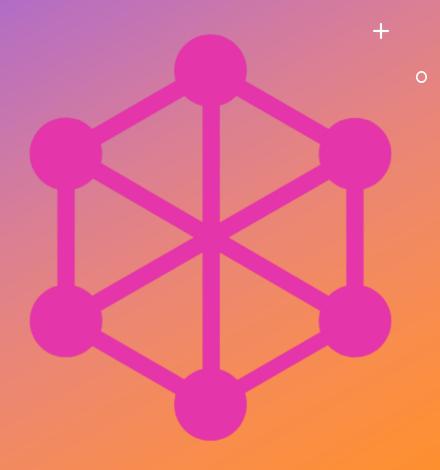






# PROJECT (STACK) OVERVIEW

We'll be using Node on the back-end to create a GraphQL server, and React on the front-end to query the server.



Server (Node.js)

Express App

GraphQL Server





