

TECHNOLOGY SERIES – T103
Introduction to GraphQL APIs

Summary

Learn the basics of consuming and building GraphQL. [GraphQL](#) is a query language for building APIs and a runtime for fulfilling those queries. Originally created at Facebook, GraphQL was the internal data-fetching API that powered hundreds of billions of Facebook API calls a day. GraphQL was then open-sourced, specified, and today is a popular choice for building APIs at any scale, with language support across dozens of languages. A large ecosystem surrounds GraphQL, including popular frameworks like Apollo, Gatsby, Relay and products like Hasura. In this introduction, we will learn the “what’s” and the “why’s” of GraphQL, how to use GraphQL to fetch data, how to design a GraphQL schema, and then finally implement a server to resolve that schema.

Outline

- What is GraphQL?
- How to consume a GraphQL schema
- Design a GraphQL schema
- Implement resolving a GraphQL schema
- Bonus: Combine multiple GraphQL schemas with schema stitching

Prerequisites

- Firm understanding of Javascript, NodeJS/NPM and a good grasp of [Promises & Template Literals](#)
- Git & Github account
- Code editor (recommend VSCode)

About your presenter

Tyler Hall is a full stack software developer. He is a Software Engineer at [hyper](#), a company that provides [hyper](#), a meta-service framework, to remove the pain of working with cloud services. Before [hyper](#), Tyler was a Technical Architect at [Somo Global](#), a digital product agency. Tyler enjoys tech such as GraphQL, Deno, and Svelte. Connect with Tyler on [LinkedIn](#).

Vitals

Cost: \$60 (\$50 CDC members)

Class length: 3 hours

Class size: 20 persons

Difficulty: Intermediate

Laptop: Recommended but not required

Location: Flagship @ Charleston Tech Center
997 Morrison Dr, 2nd Floor
Downtown Charleston

Parking: CTC Garage (*immediately adjacent*)
4 Conroy Street

Questions? 843.607.1264 or cdc@charlestdigital.com