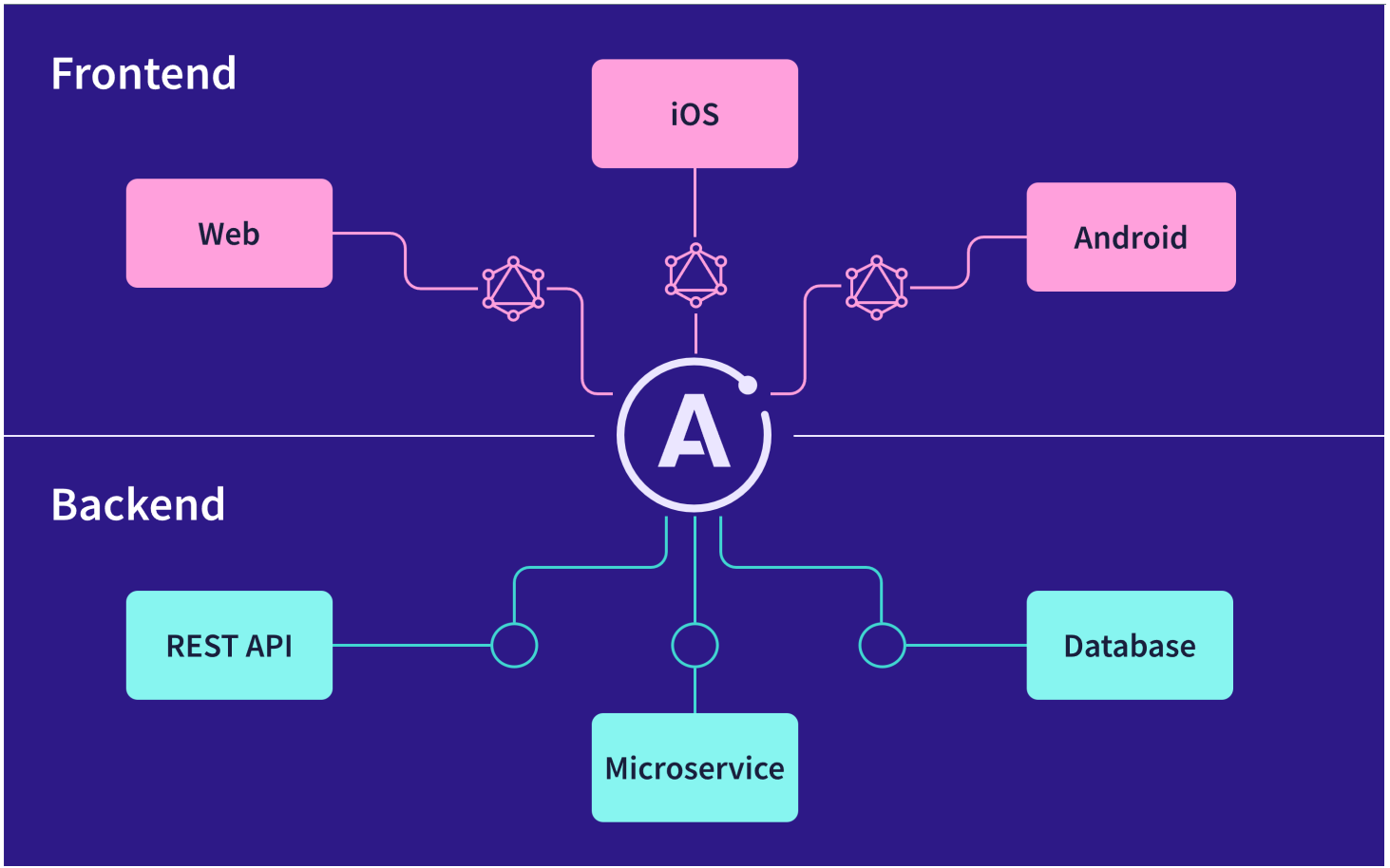
React – Apollo Server

Apollo Server


Frontend
iOS
Web
Android
Backend
REST API
Database
Microservice

What is Apollo Server?

- **Apollo Server is an open-source, spec-compliant GraphQL server** that's compatible with any GraphQL client, including Apollo Client. It's the best way to build a production-ready, self-documenting GraphQL API that can use data from any source.

You can use Apollo Server as:

- A gateway for a federated supergraph (https://www.apollographql.com/docs/federation/)
- The GraphQL server for a subgraph in a federated supergraph
- A stand-alone GraphQL server, including in a serverless environment
- An add-on to your application's existing Node.js middleware (such as Express or Fastify)

Apollo Server provides:

- **Straightforward setup**, so your client developers can start fetching data quickly
- **Incremental adoption**, allowing you to add features as they're needed
- **Universal compatibility** with any data source, any build tool, and any GraphQL client
- **Production readiness**, enabling you to ship features faster

Getting Started:

- **https://www.apollographql.com/docs/apollo-server/getting-started**
- https://codesandbox.io/s/github/apollographql/docs-examples/tree/main/apollo-server/v3/getting-started?fontsize=14&hidenavigation=1&theme=dark&file=/index.js

GraphQL schema basics

- Your GraphQL server uses a **schema** to describe the shape of your available data. This schema defines a hierarchy of **types** with **fields** that are populated from your back-end data stores. The schema also specifies exactly which **queries** and **mutations** are available for clients to execute.

The schema definition language

- The GraphQL specification defines a human-readable **schema definition language** (or **SDL**) that you use to define your schema and store it as a string.

Further reading

Further reading

- https://www.makeuseof.com/what-are-web-components/
- https://www.codeinwp.com/blog/react-best-practices/

- https://reactjs.org/docs/hooks-reference.html#usereducer

- https://redux.js.org/tutorials/fundamentals/part-3-state-actions-reducers