

GRAPHQL-TOOLS

SCHEMA STITCHING

WHAT IS SCHEMA STITCHING ?

- ▶ Schema stitching is the ability to create a single GraphQL schema from multiple underlying GraphQL APIs.

GRAPHQL TOOLS 2.0

- ▶ Repository - <https://github.com/apollographql/graphql-tools>
- ▶ Medium - <https://dev-blog.apollodata.com/>

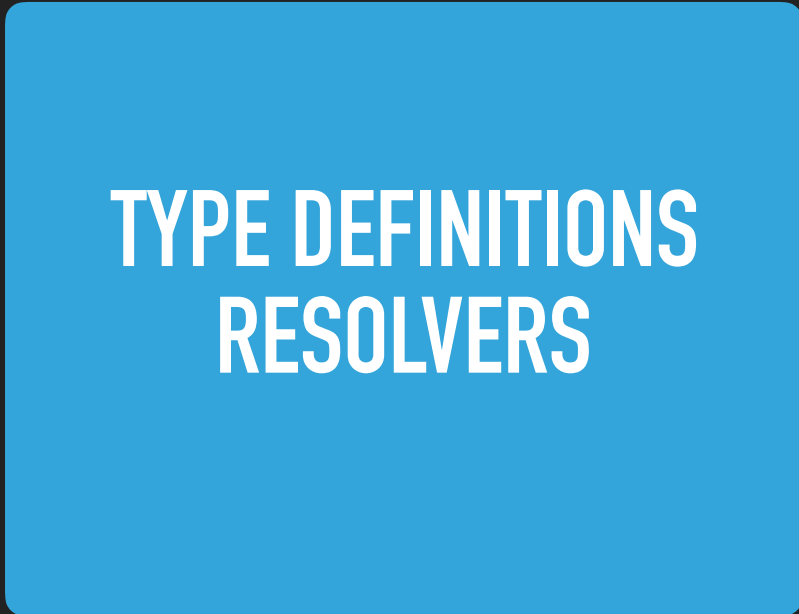
GRAPHQL IN SINGLE FILE

TYPE DEFINITIONS
RESOLVERS

rootSchema.js

GRAPHQL IN SINGLE FILE

GraphQL Schema



rootSchema.js

GRAPHQL IN SINGLE FILE

GraphQL Schema

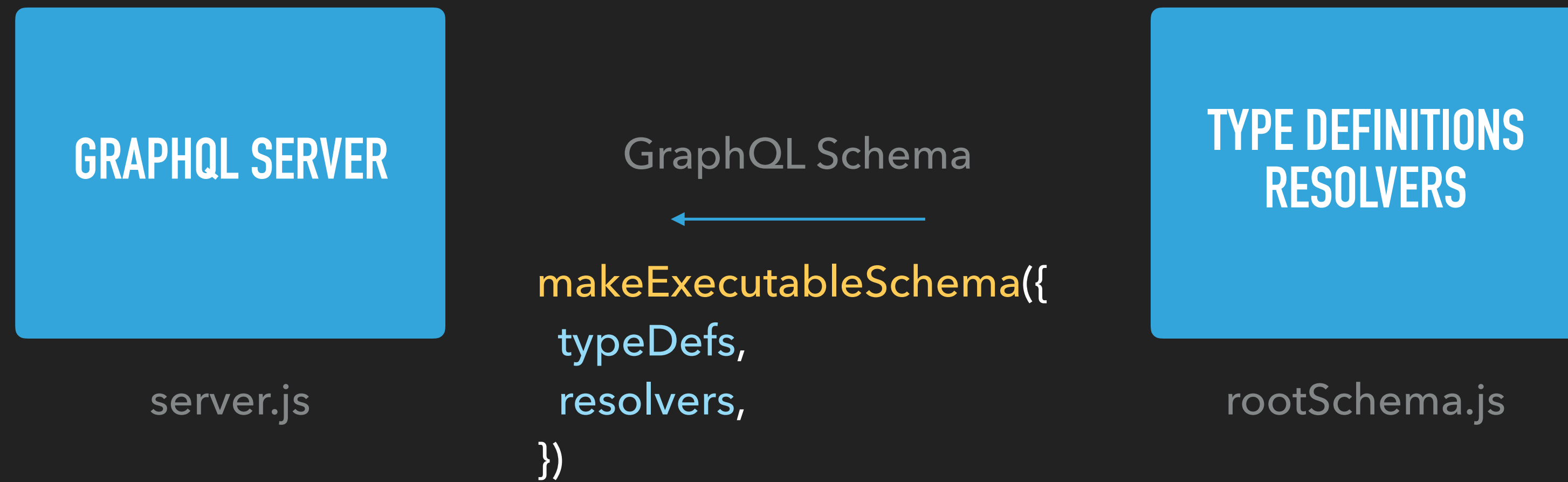


```
makeExecutableSchema({  
  typeDefs,  
  resolvers,  
})
```

TYPE DEFINITIONS
RESOLVERS

rootSchema.js

GRAPHQL IN SINGLE FILE



WHEN CODEBASE GROWS

- ▶ Split schemas into different modules
- ▶ Split schemas into different services

SCHEMA STITCHING

SPLIT SCHEMA TO DIFFERENT MODULES

SPLIT SCHEMAS TO DIFFERENT MODULES

GraphQL Schema

←

```
makeExecutableSchema({  
  typeDefs,  
  resolvers,  
})
```

TYPE DEFINITIONS
RESOLVERS

rootSchema.js

SPLIT SCHEMAS TO DIFFERENT MODULES

GraphQL Schema
←
`makeExecutableSchema({
 typeDefs,
 resolvers,
})`

TYPE DEFINITIONS
RESOLVERS

rootSchema.js

TYPE DEFINITIONS
RESOLVERS

fooSchema.js

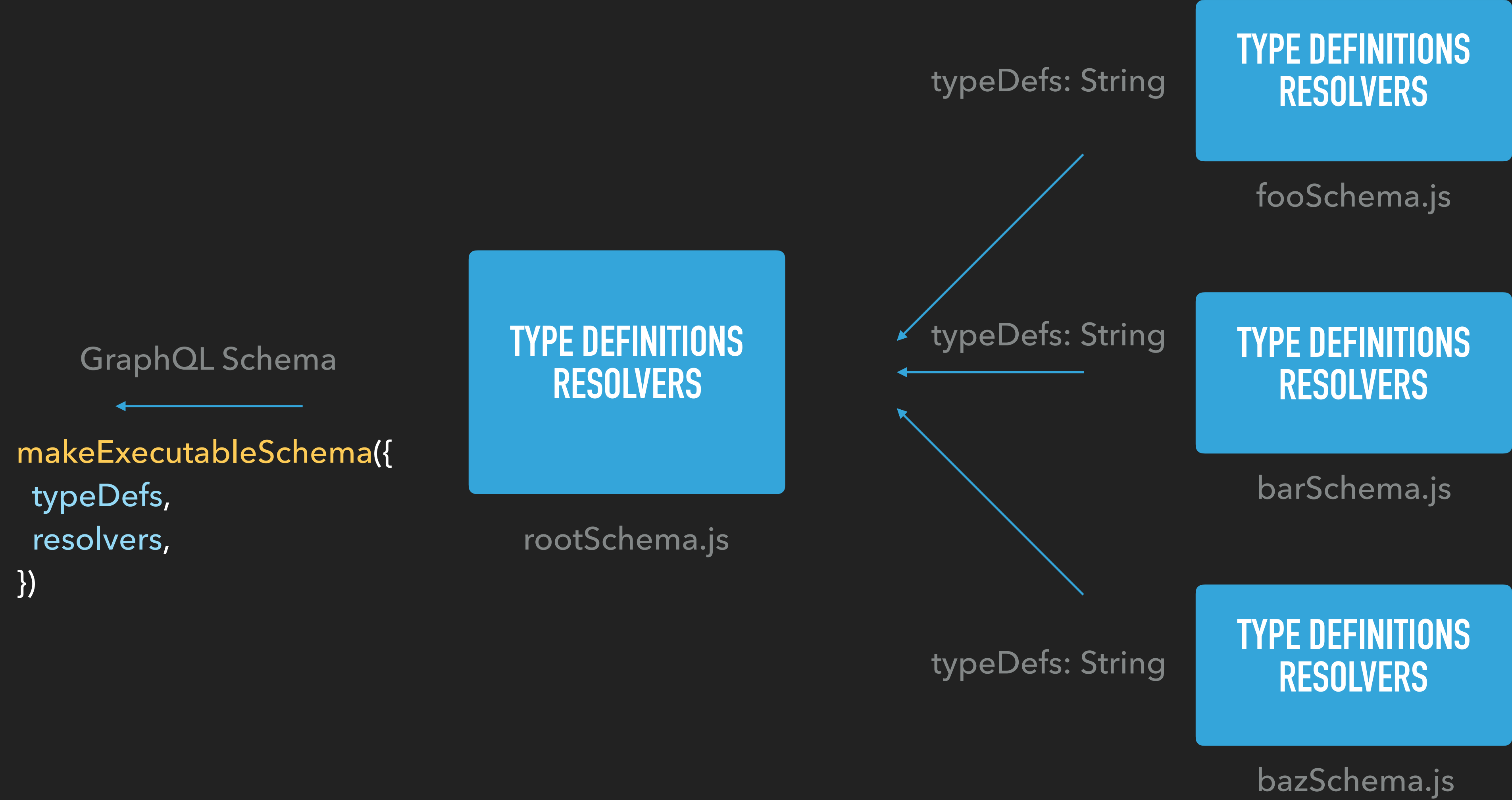
TYPE DEFINITIONS
RESOLVERS

barSchema.js

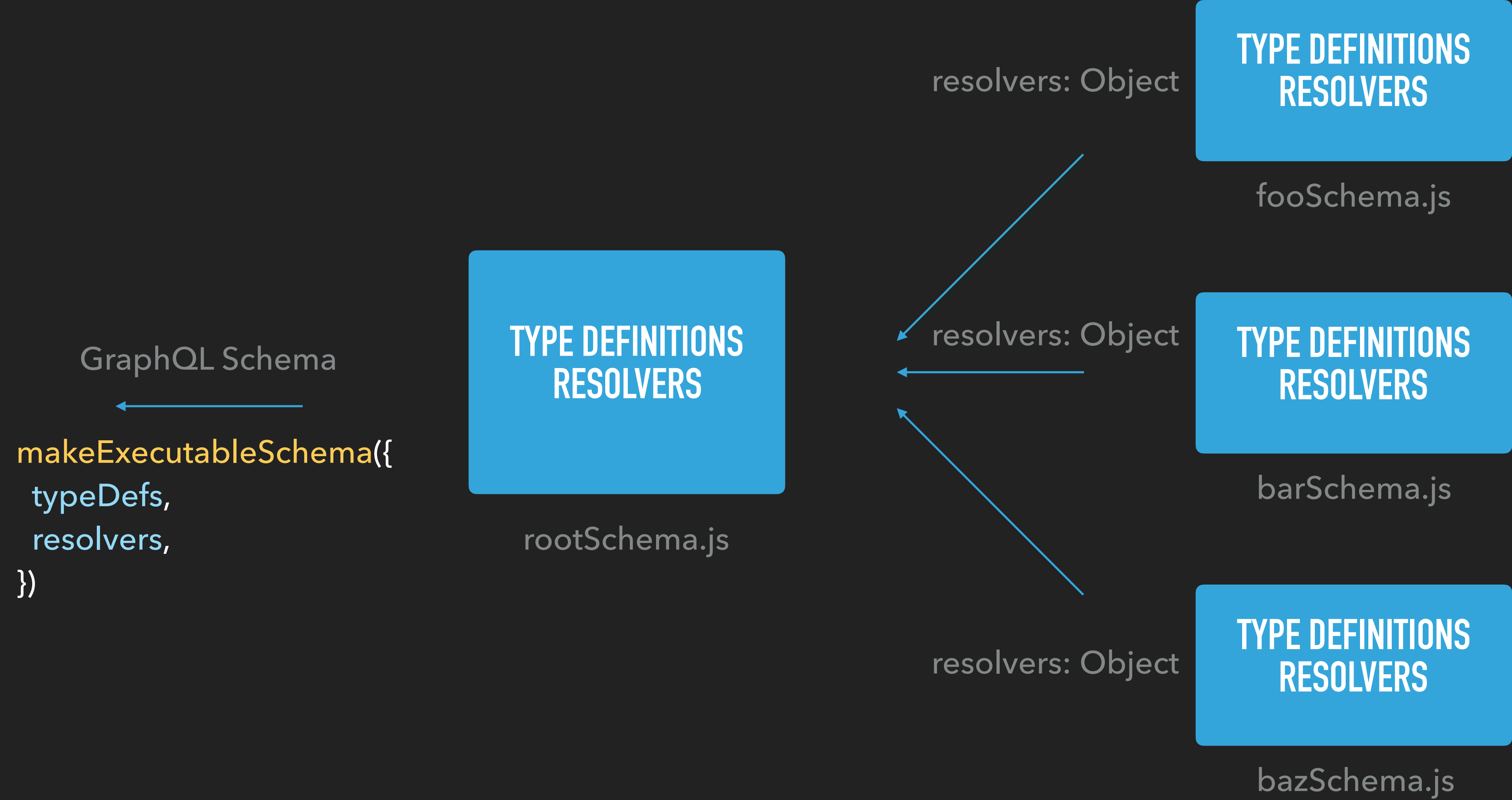
TYPE DEFINITIONS
RESOLVERS

bazSchema.js

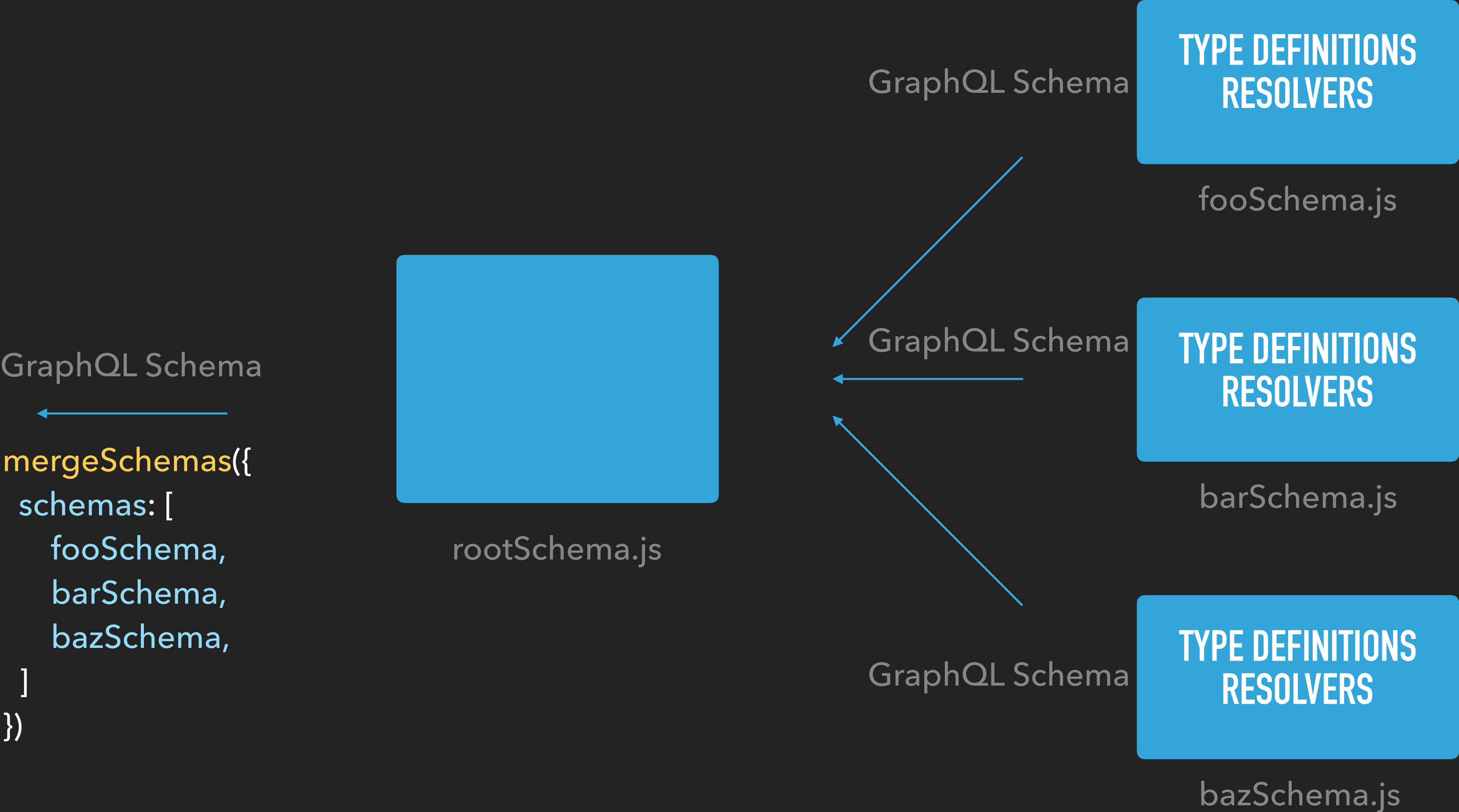
SPLIT SCHEMAS TO DIFFERENT MODULES



SPLIT SCHEMAS TO DIFFERENT MODULES



WITH SCHEMA STITCHING

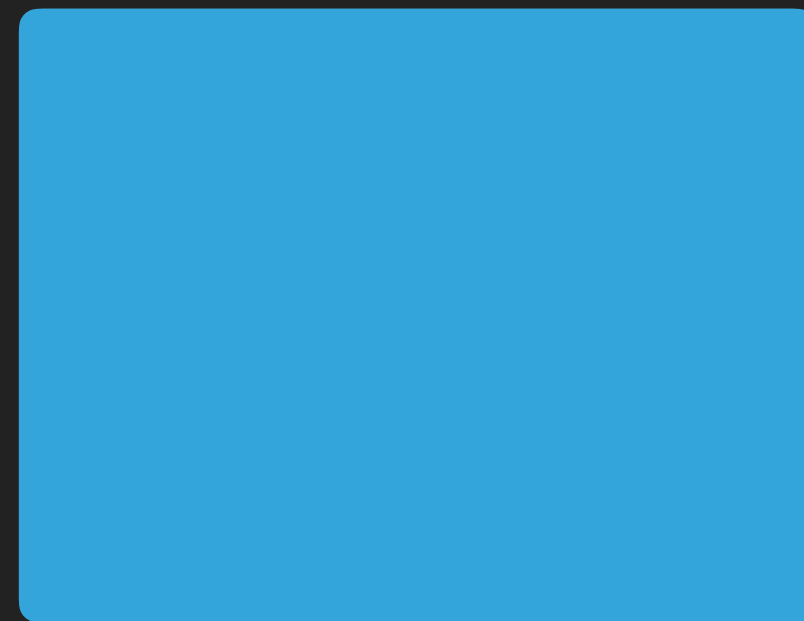


SCHEMA STITCHING

SPLIT SCHEMA TO DIFFERENT SERVICES

SPLIT SCHEMAS TO DIFFERENT SERVICES

GraphQL Schema



rootSchema.js

FOO SERVICE

api.foo.com/graphql

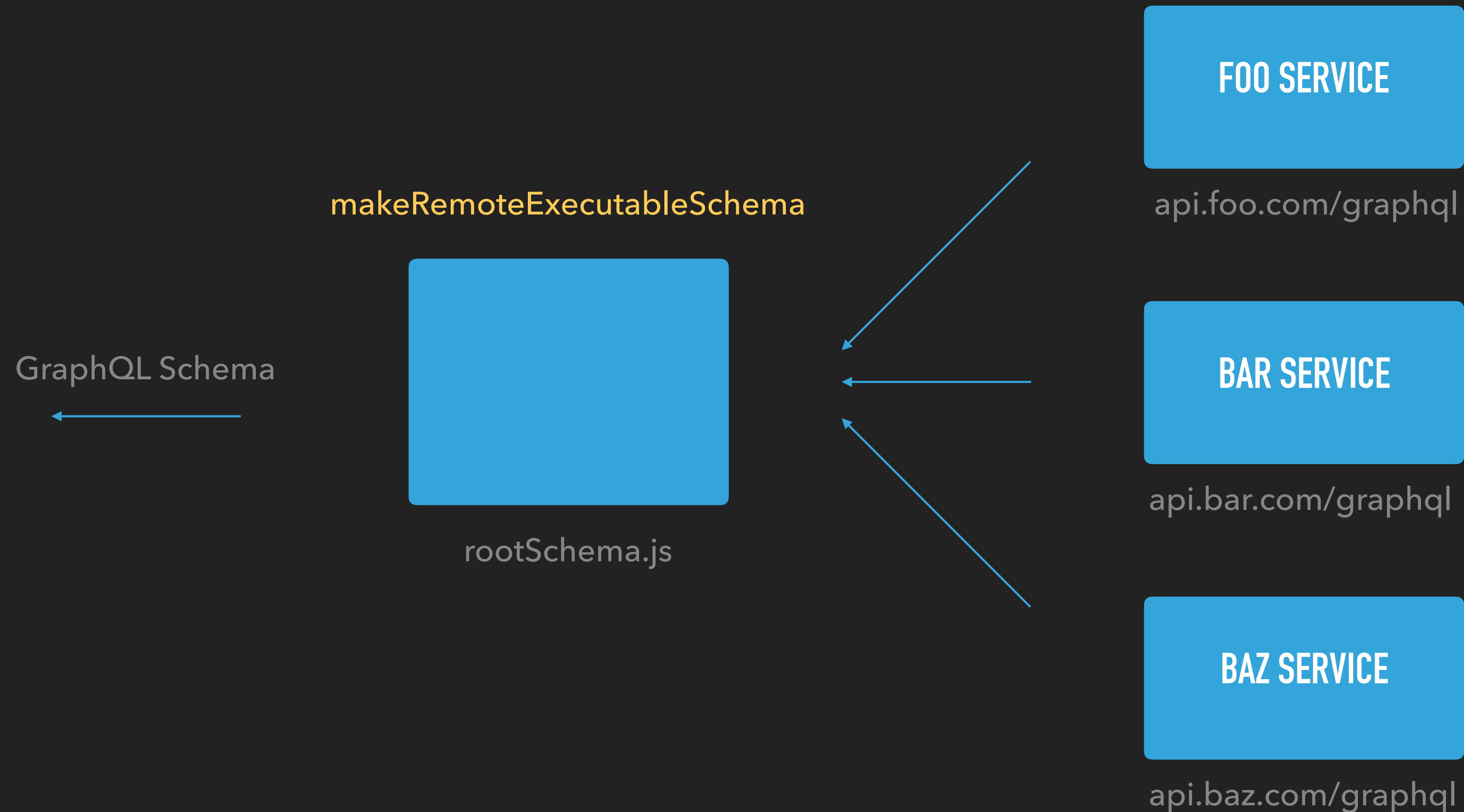
BAR SERVICE

api.bar.com/graphql

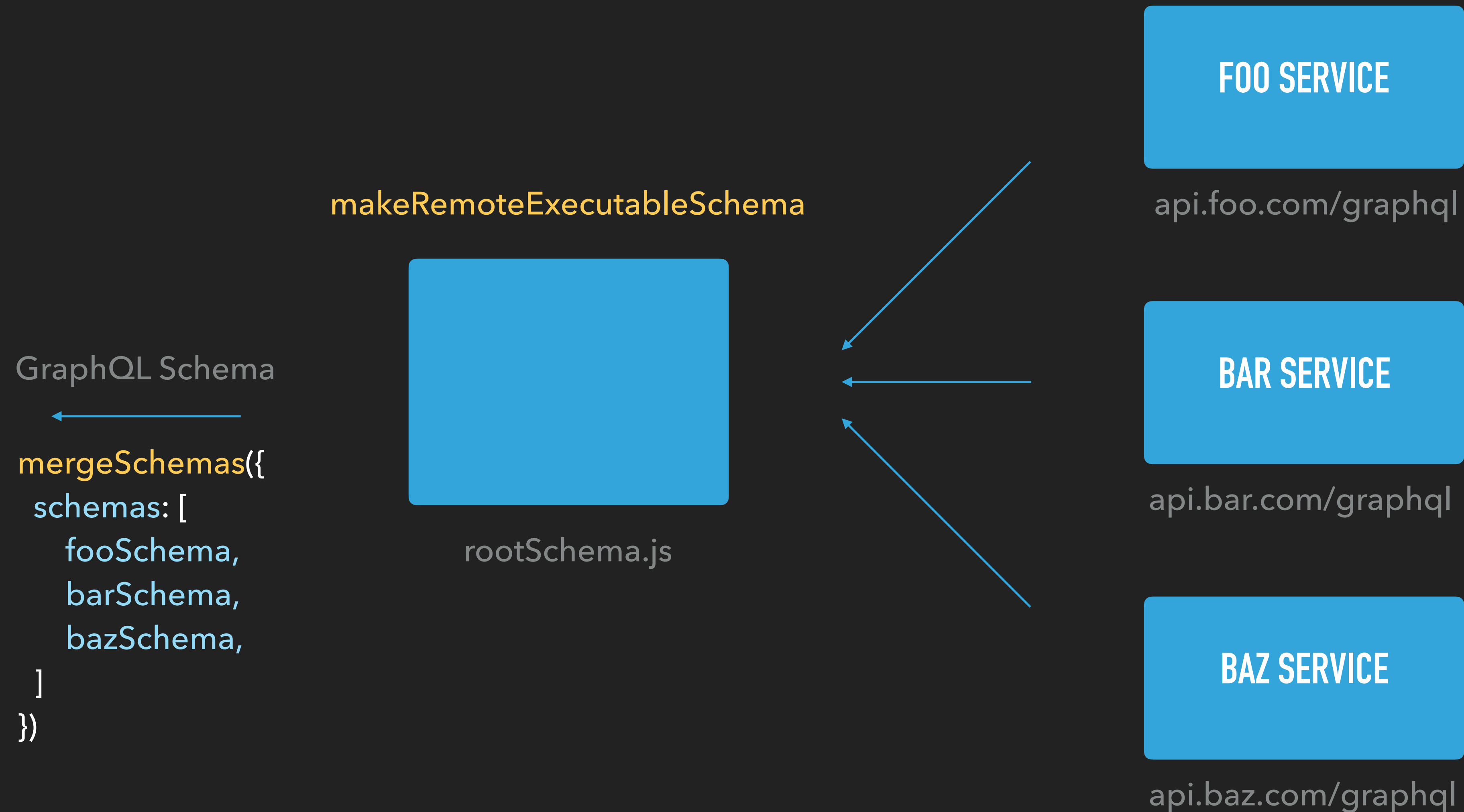
BAZ SERVICE

api.baz.com/graphql

SPLIT SCHEMAS TO DIFFERENT SERVICES



SPLIT SCHEMAS TO DIFFERENT SERVICES



EXAMPLE USAGE

- ▶ Repository - <https://github.com/aofleejay/graphql-schema-stitching>
- ▶ Short Link - goo.gl/SeHEzW

FEEDBACK

► goo.gl/4Y2Fa9