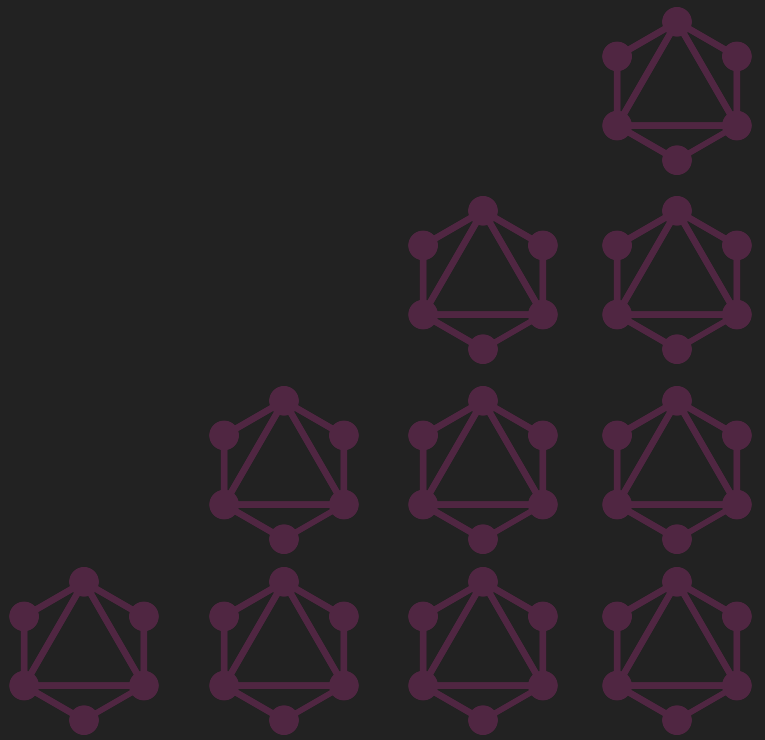
Desmitificando GraphQL



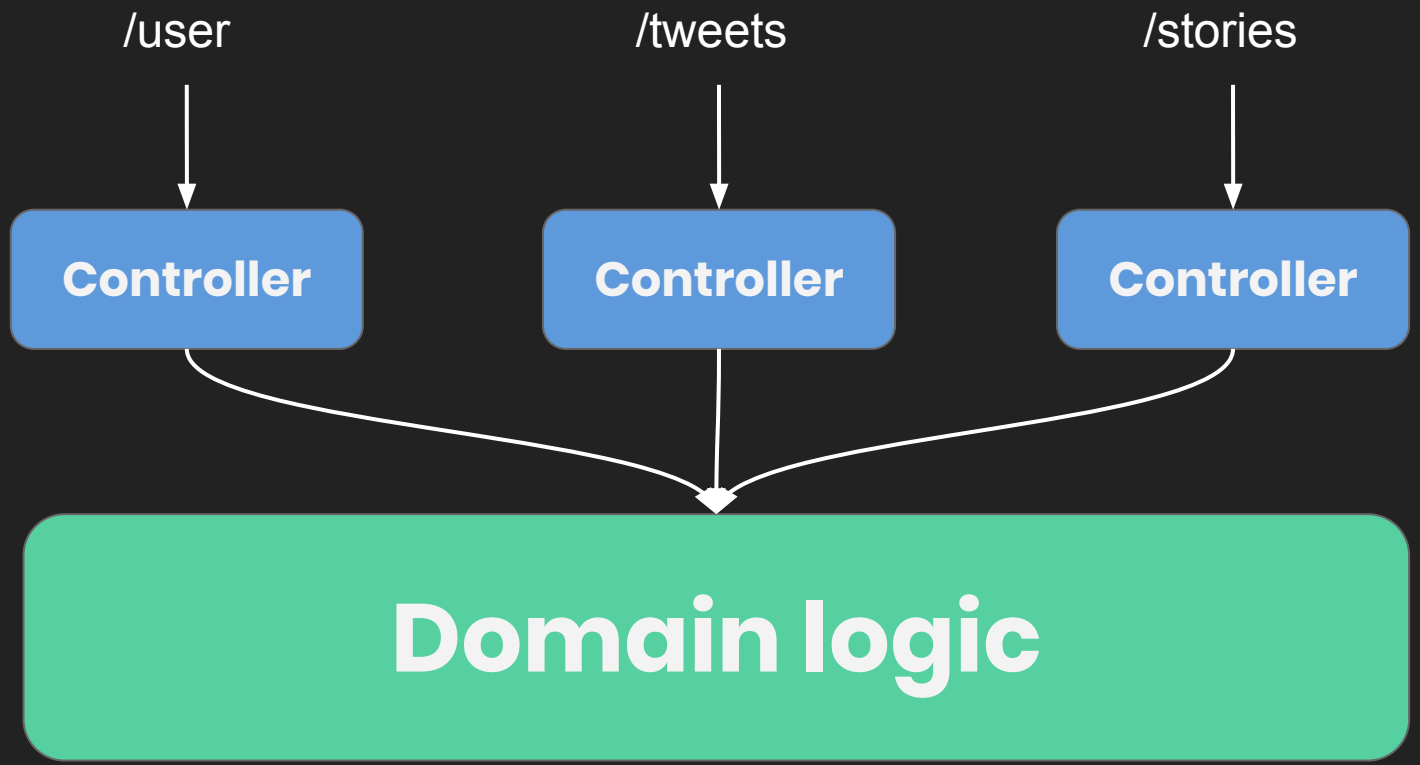
Luis Emilio Velasco

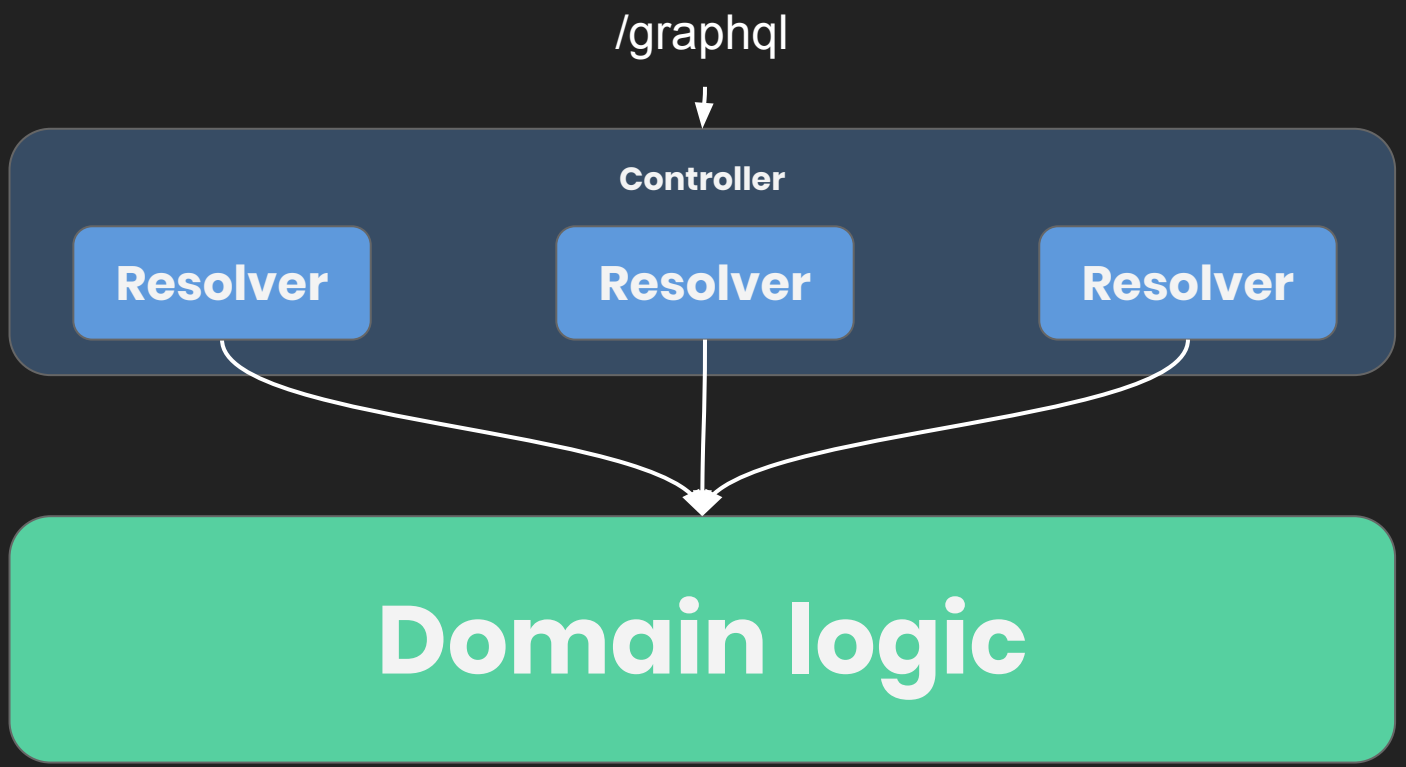
@emibloque

Backend developer

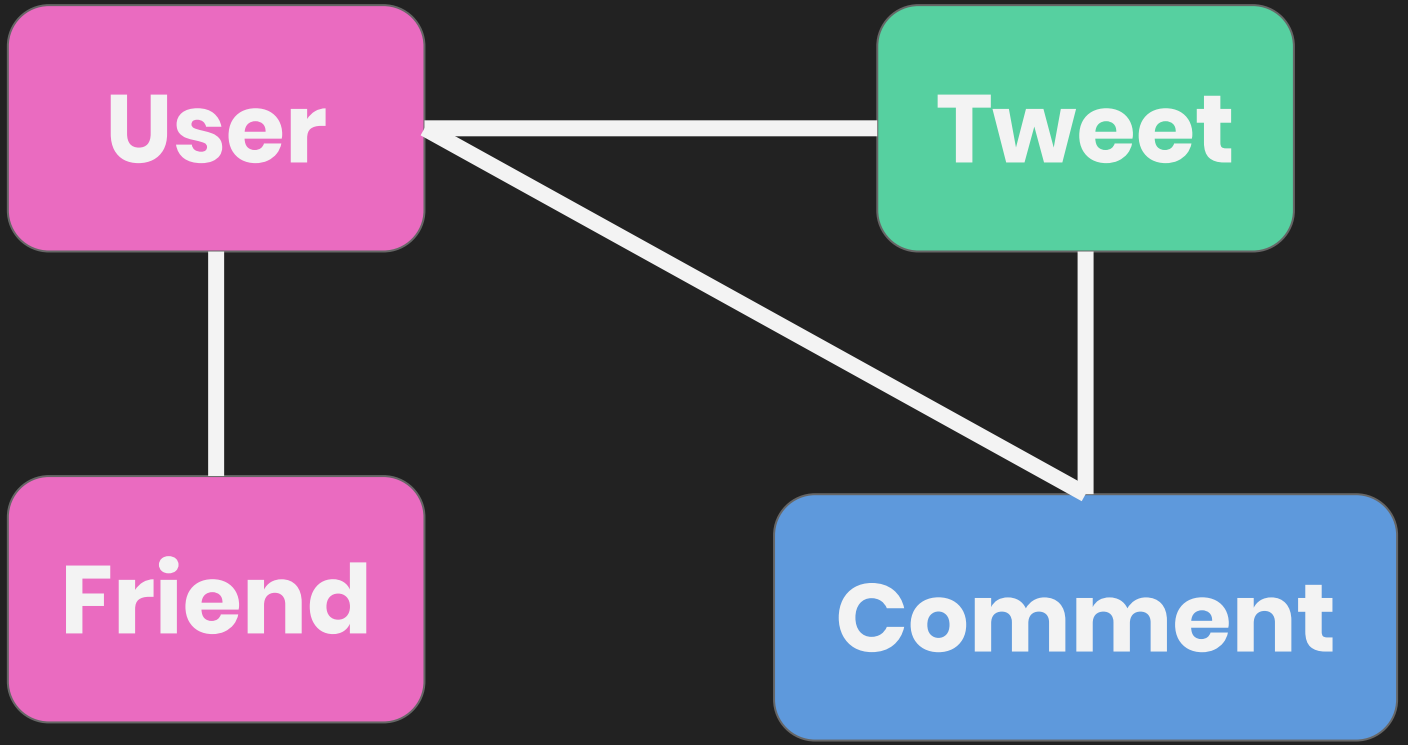
the cocktail®

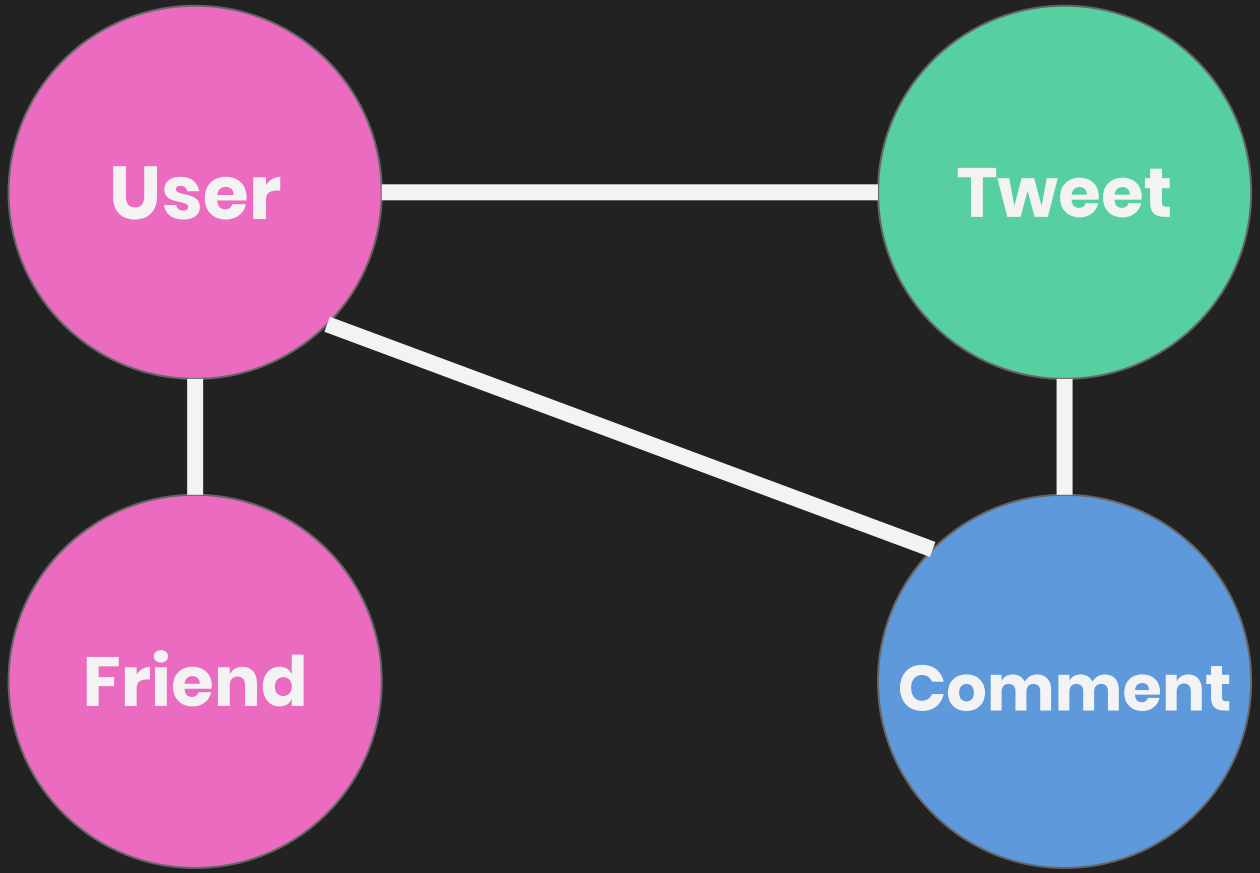
A RESTful life

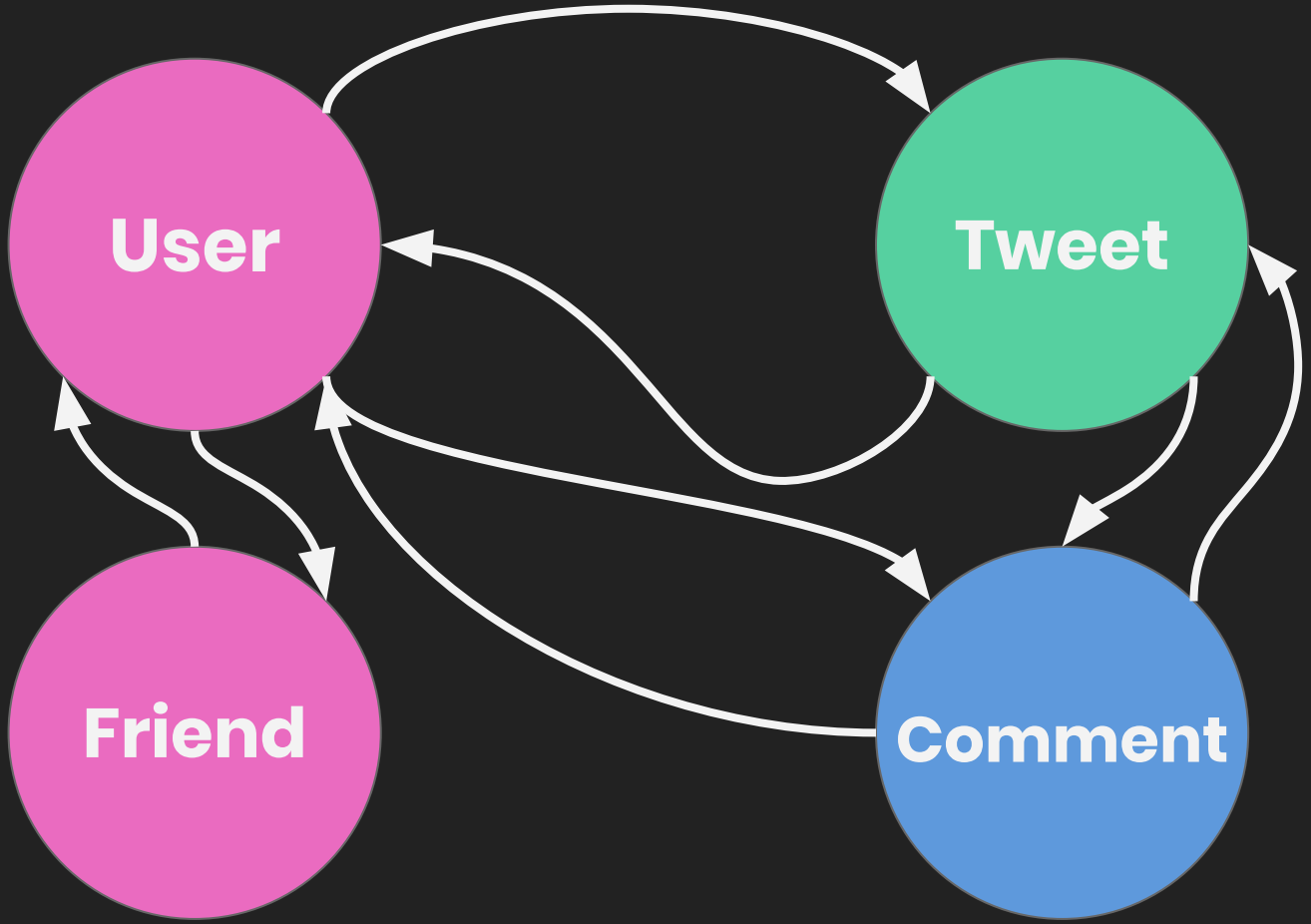

/user
/tweets
/stories
Controller
Controller
Controller
Domain logic

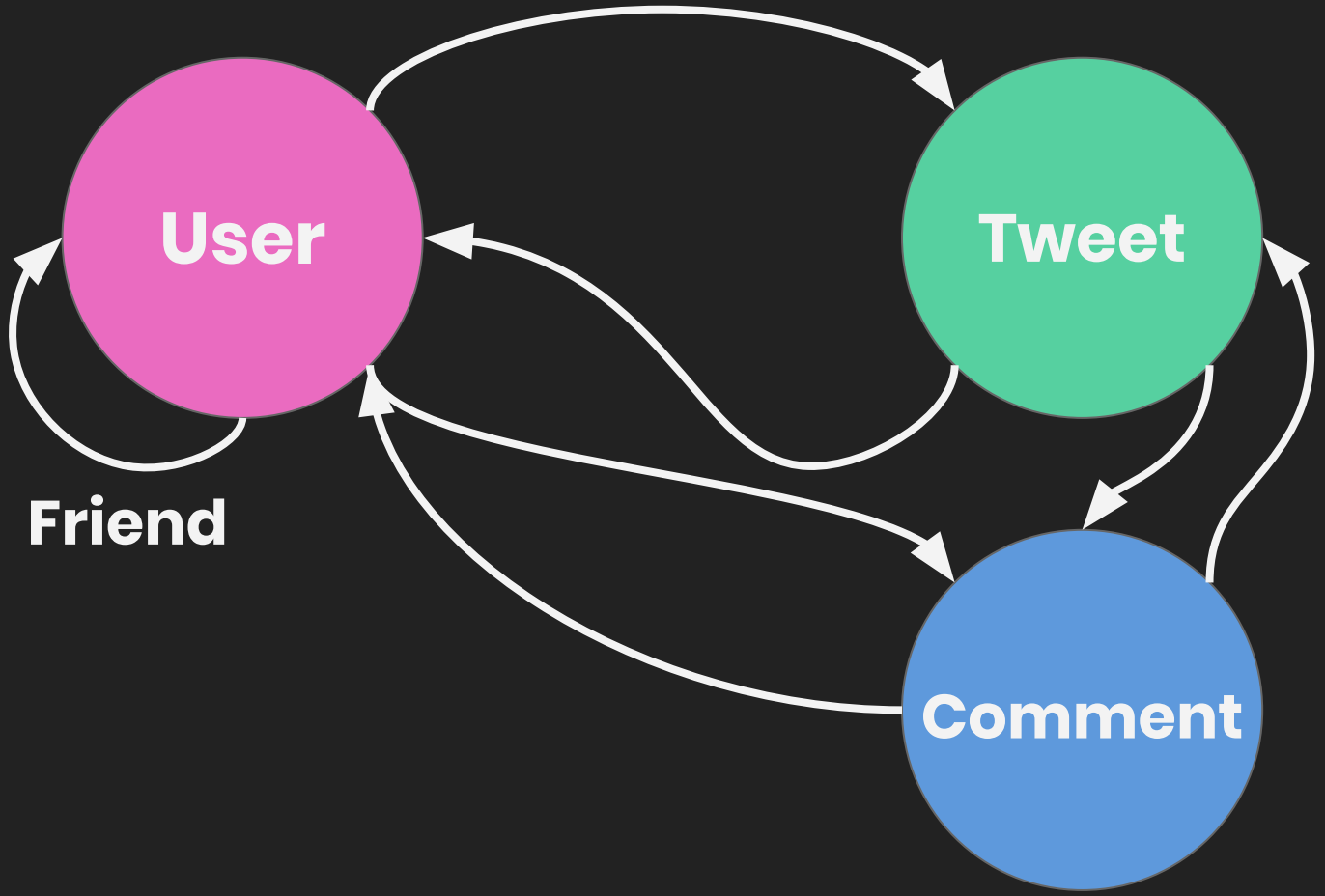

/graphql
Controller
Resolver
Resolver
Resolver
Domain logic

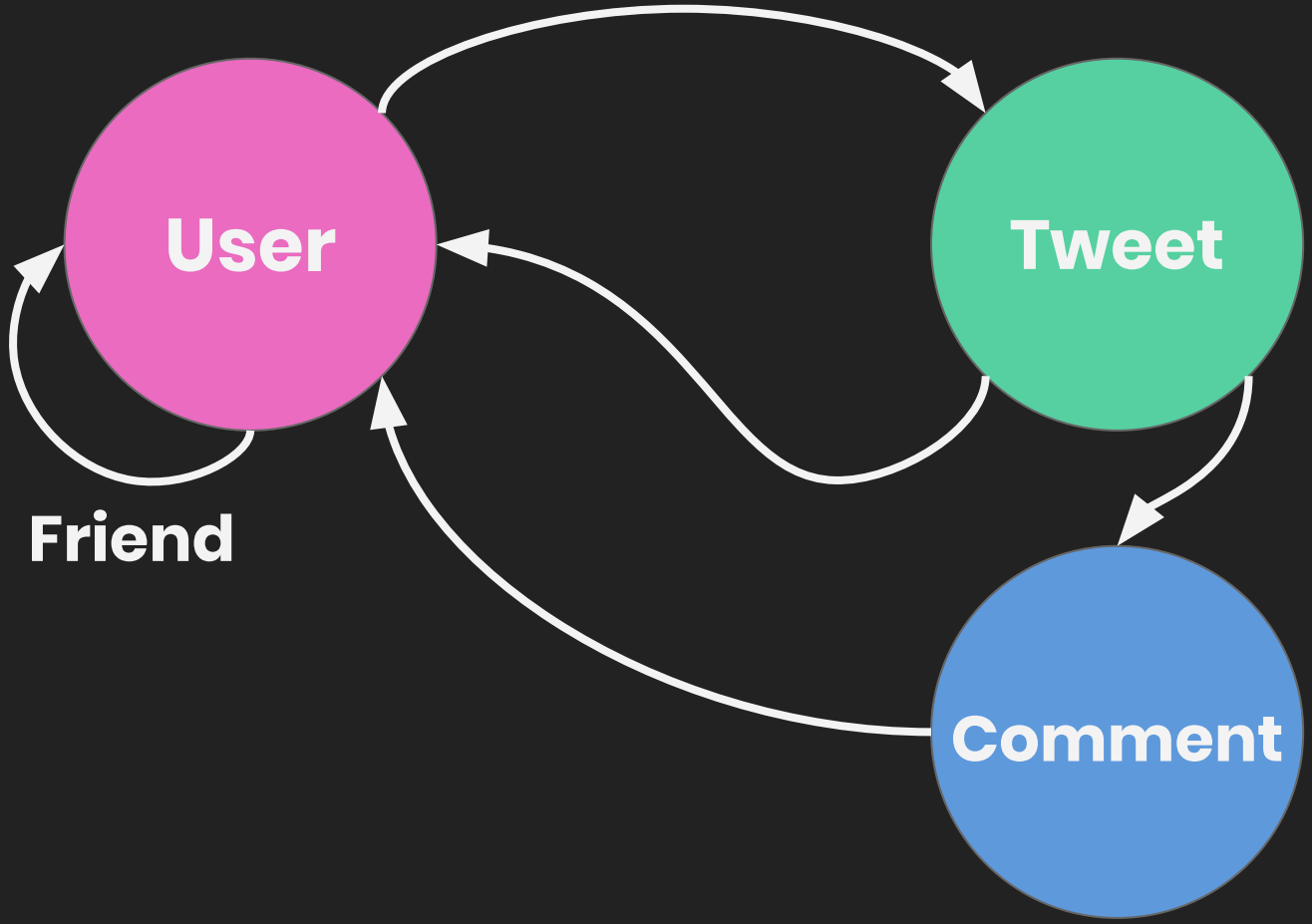
Graph
Query
Language


User
Tweet
Friend
Comment


User
Tweet
Friend
Comment


User
Tweet
Friend
Comment


User
Tweet
Friend
Comment


User
Tweet
Friend
Comment

https://github.com/emibloque/graphql-realtime

Graph at InstaPenguin

charlotte

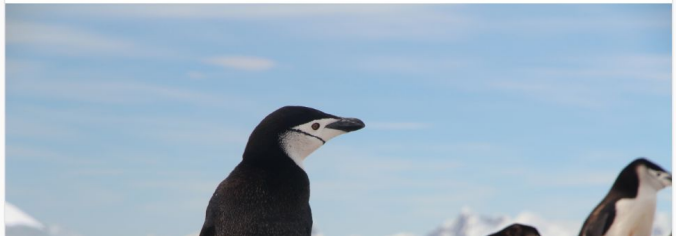
123 likes

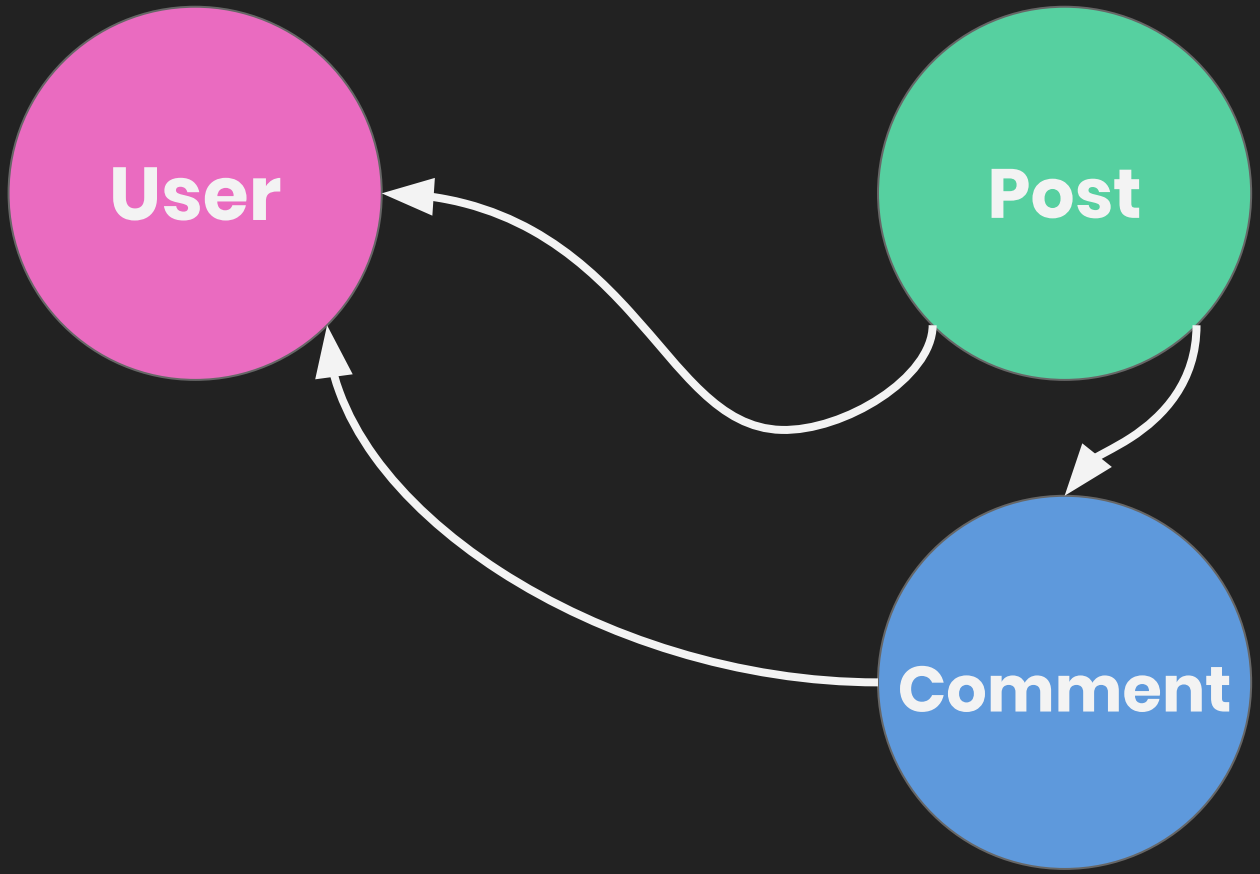
charlotte Hey there!

laosemat Sunrises are always beautiful.

quentin Nice shot 🔥

kevin

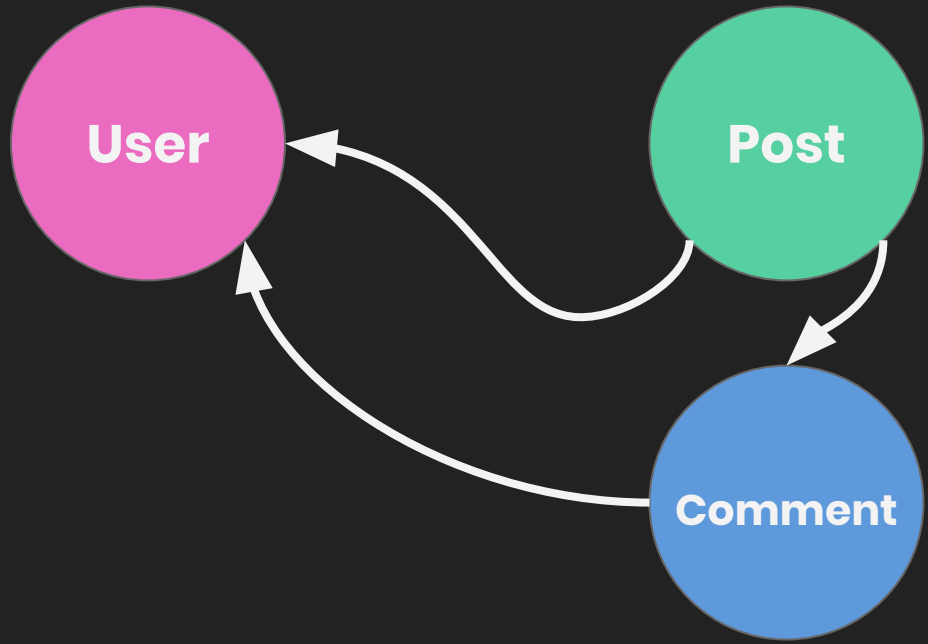



User
Post
Comment

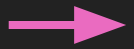
Query

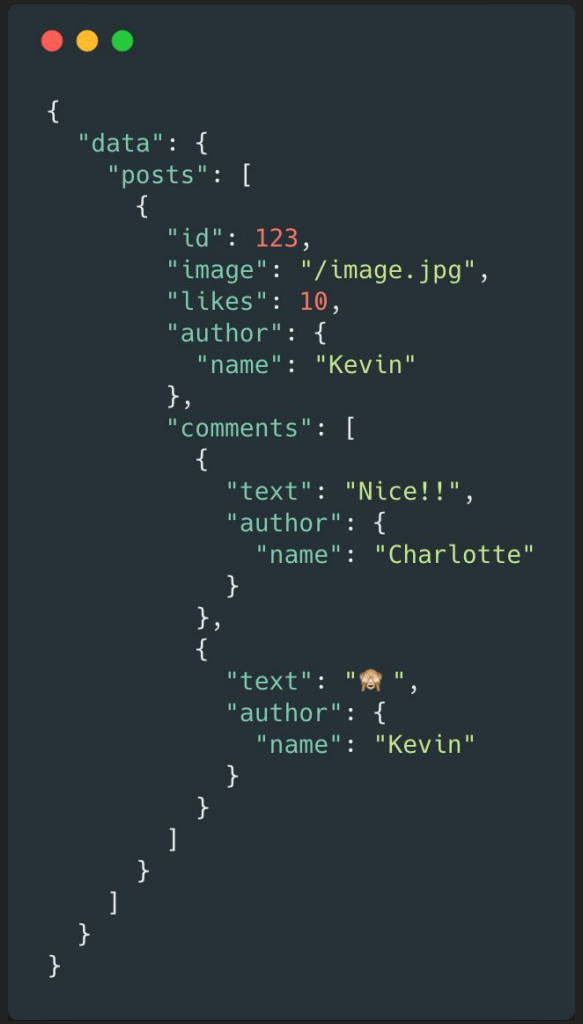
CRUD

```
query {
  posts {
    id
    image
    likes
    author {
      name
    }
    comments {
      text
      author {
        name
      }
    }
  }
}
```

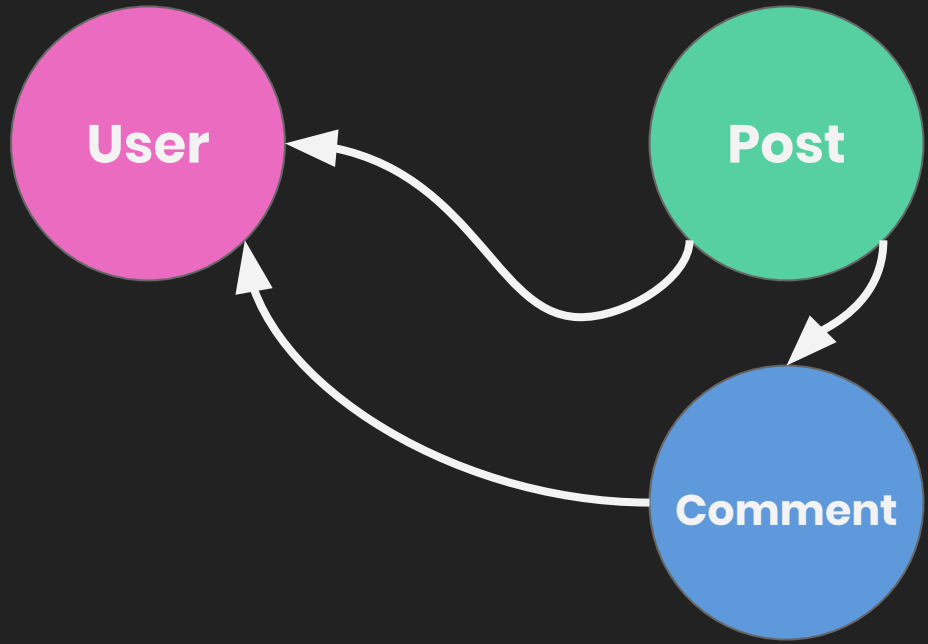


query {
posts {
id
image
likes
author {
name
}
comments {
text
author {
name
}
}
}
}




{
"data": {
"posts": [
{
"id": 123,
"image": "/image.jpg",
"likes": 10,
"author": {
"name": "Kevin"
},
"comments": [
{
"text": "Nice!!",
"author": {
"name": "Charlotte"
}
},
{
"text": "🐶 ",
"author": {
"name": "Kevin"
}
}
]
}
]
}
}

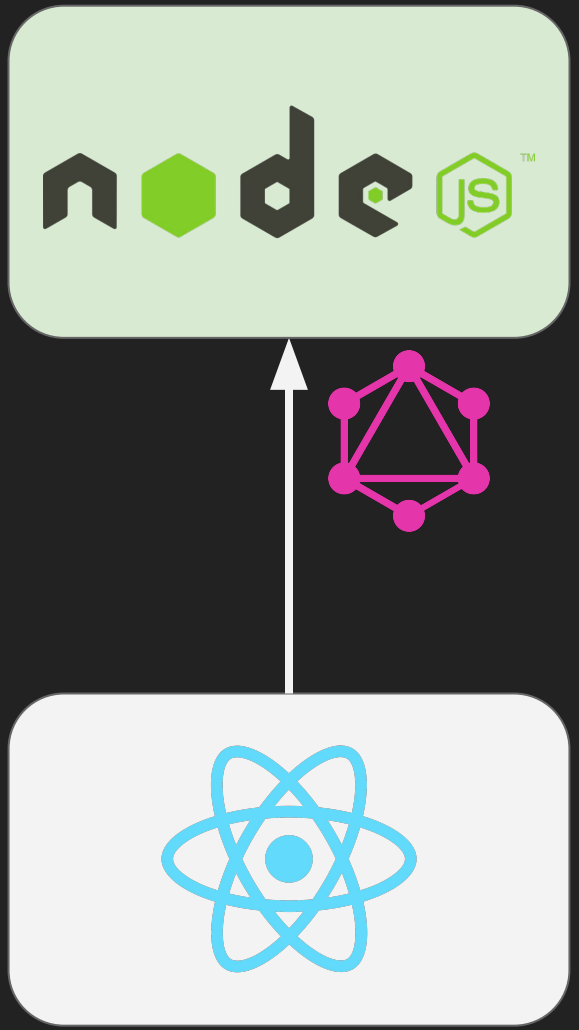
```
query {
  posts {
    id
    likes
    comments {
      id
    }
  }
}
```



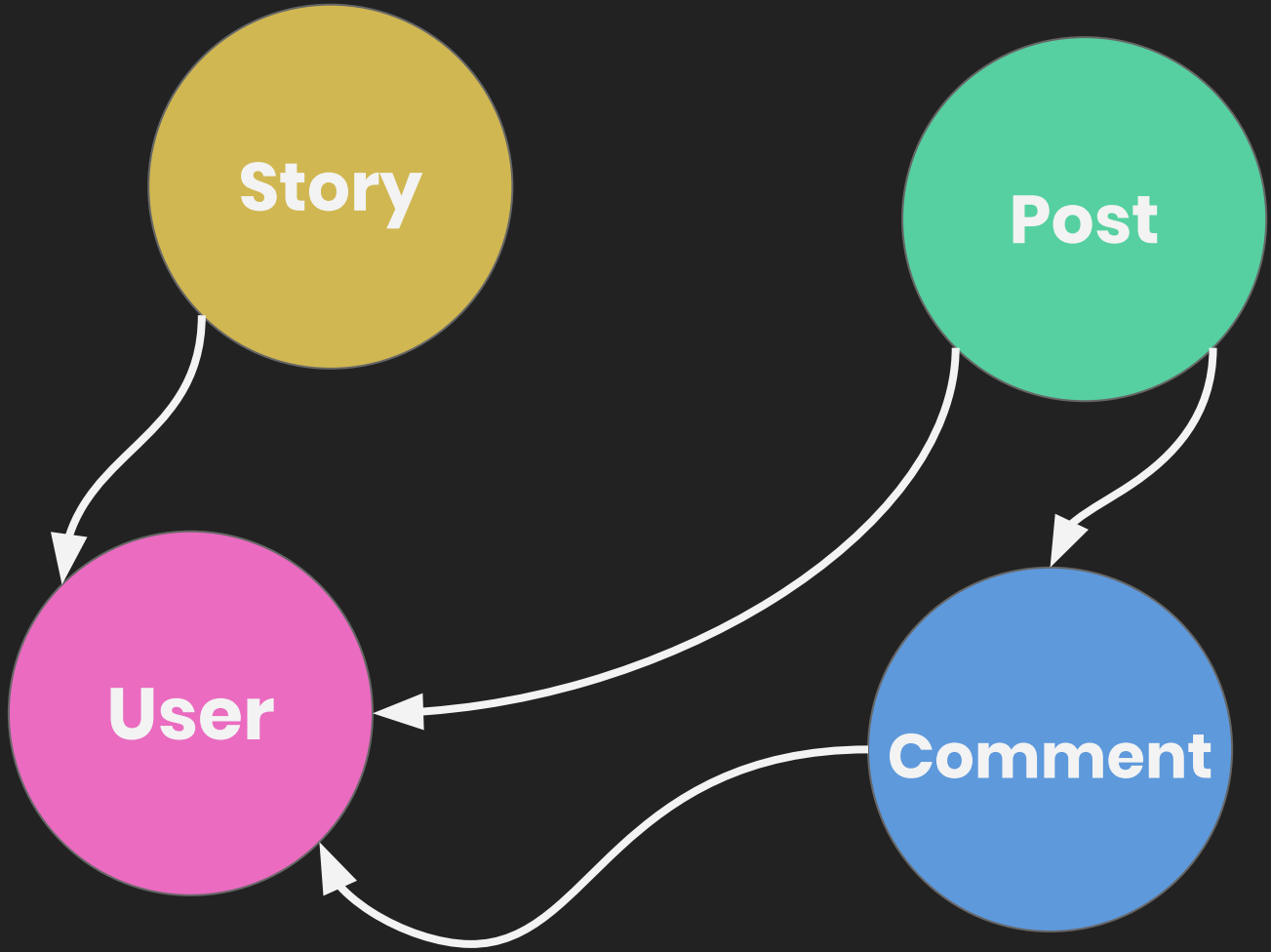
Mutation

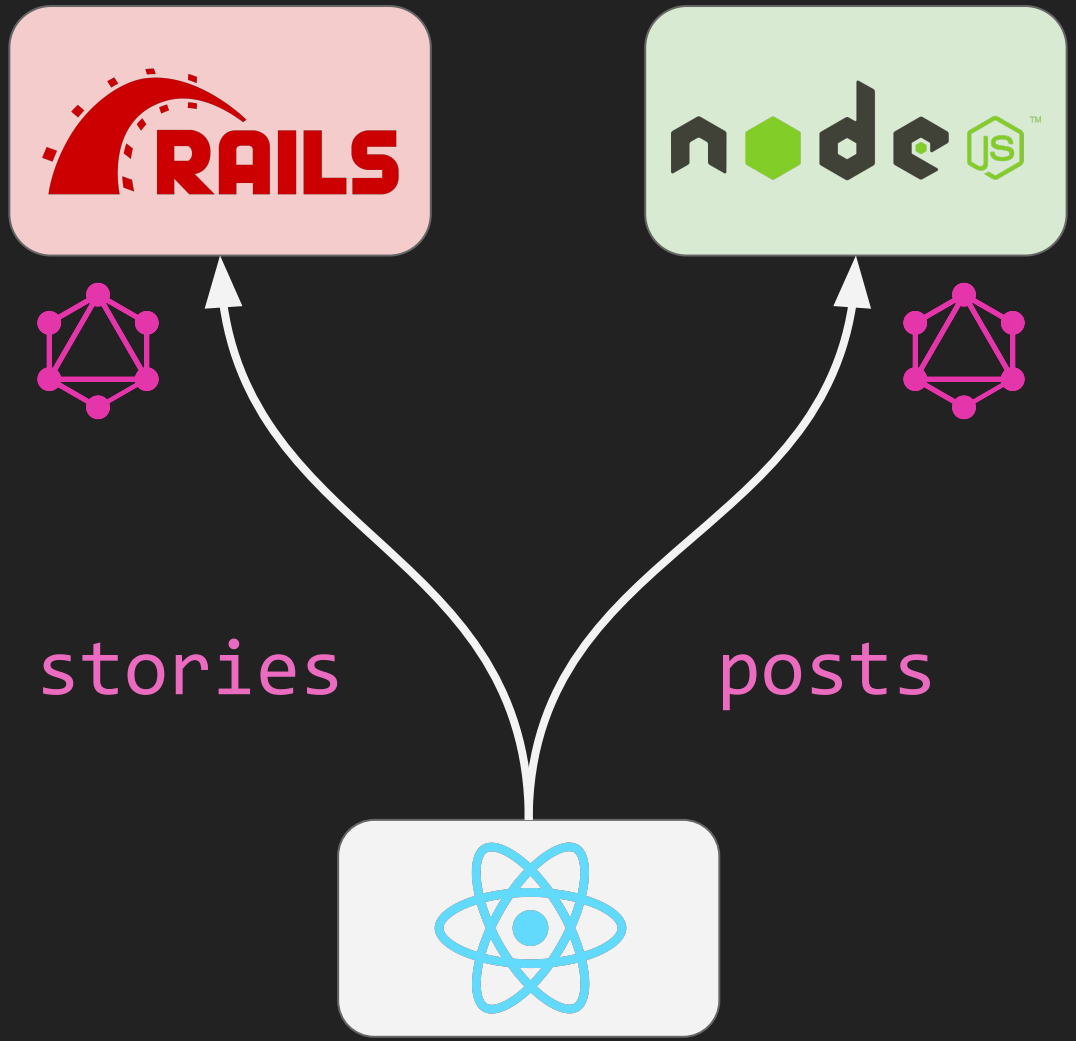
CRUD

mutation {
addLike(post: 10) {
id
likes
comments {
text
}
}
}


node
JS

The way to Microservices


Story
Post
User
Comment


RAILS
node
JS
stories
posts

Negron

https://github.com/the-cocktail/negron

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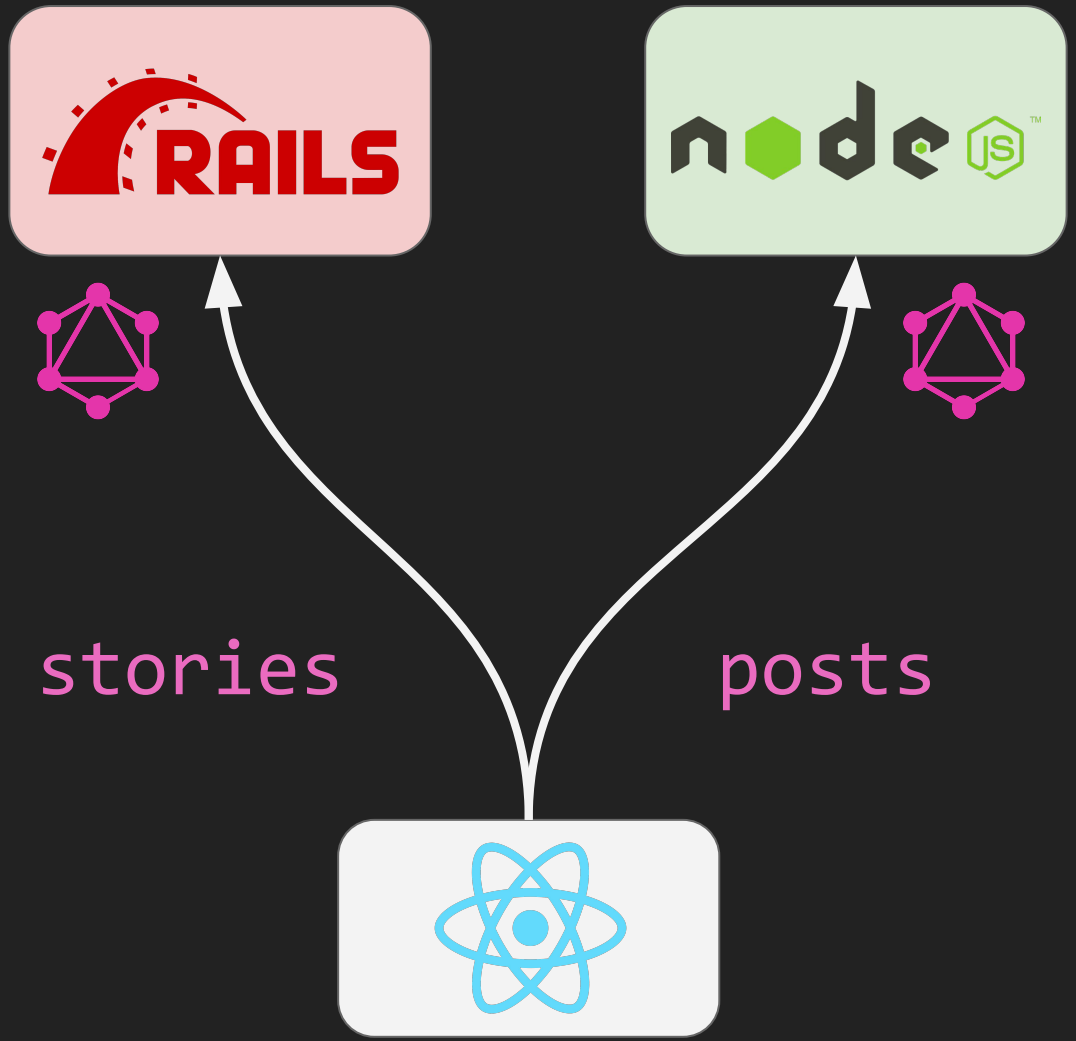
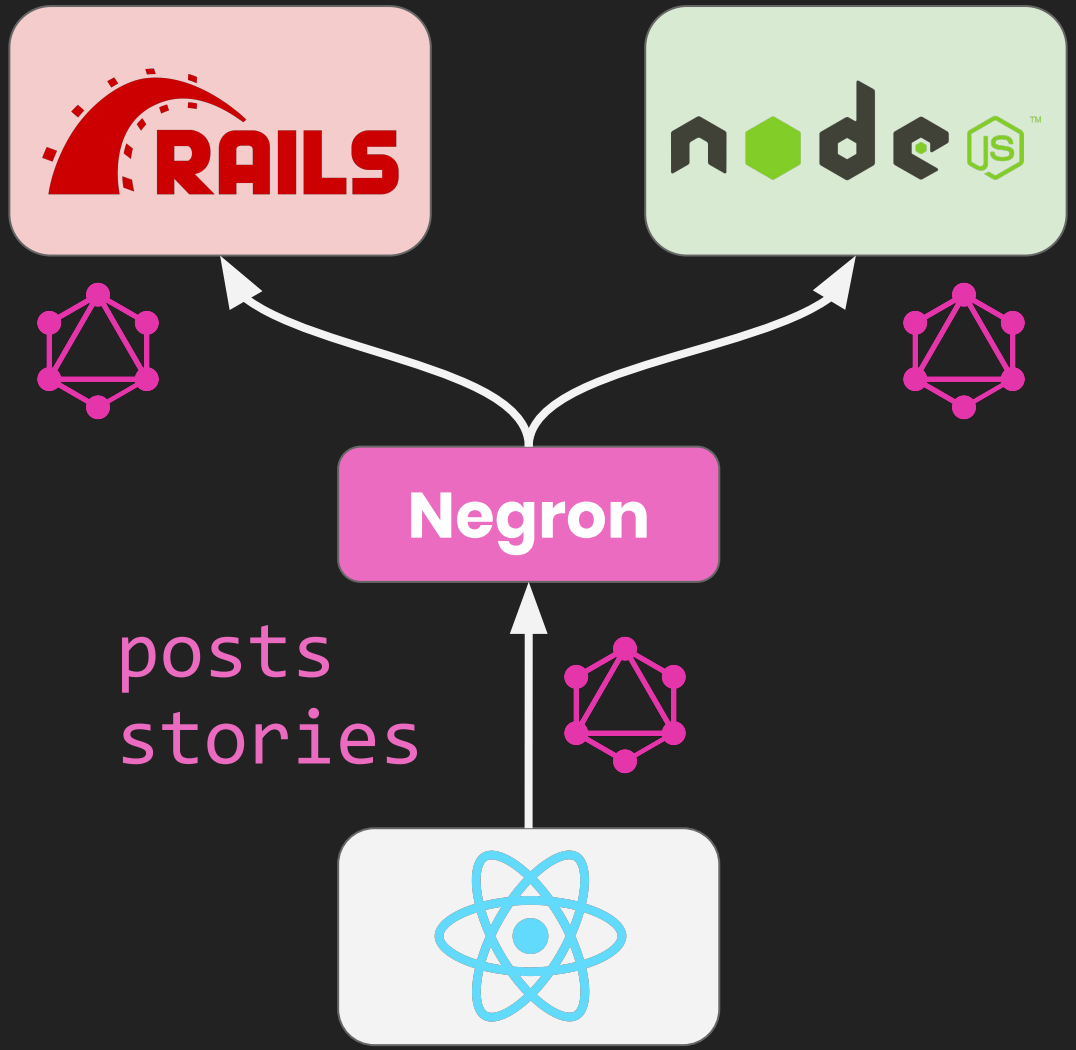
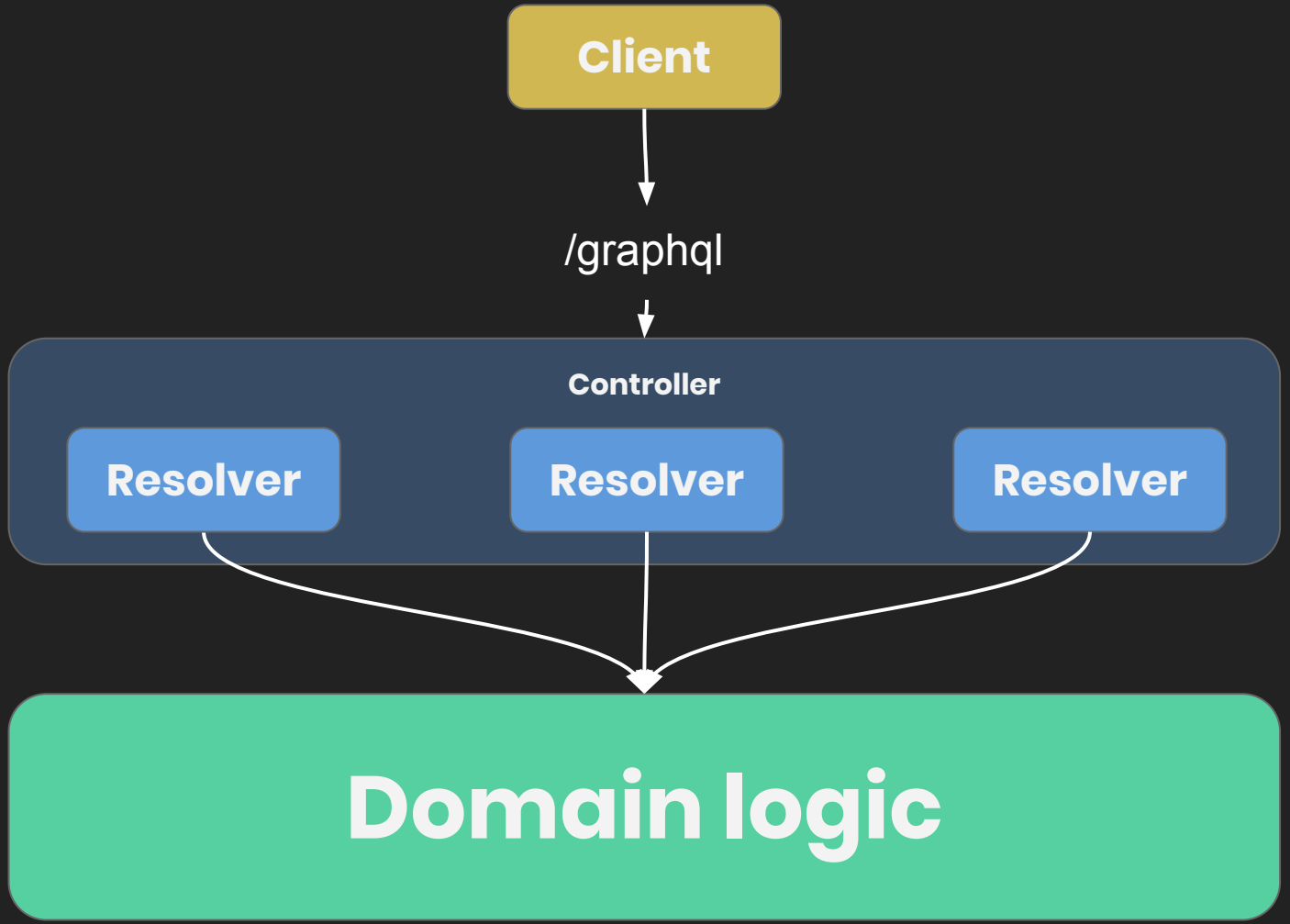
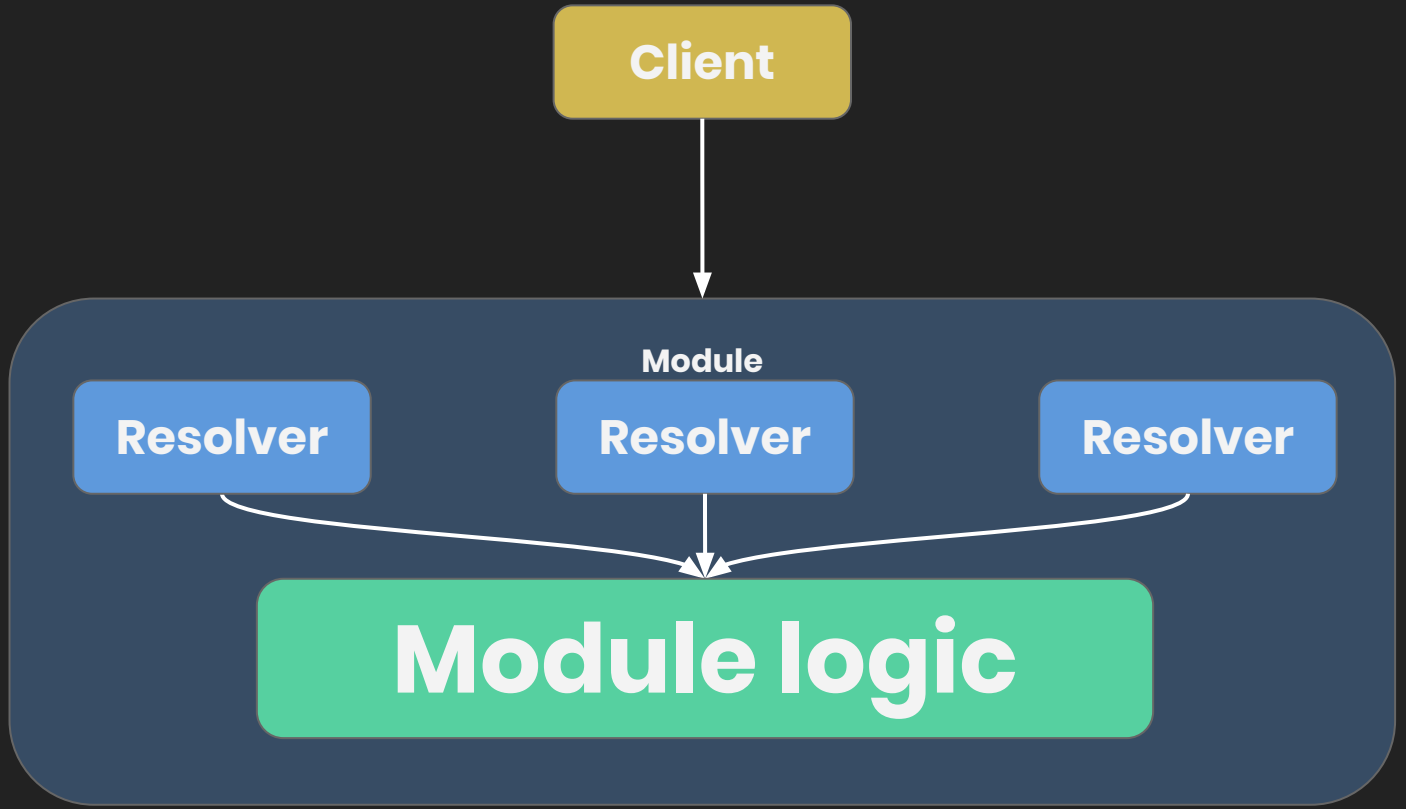

RAILS
node
JS
stories
posts


RAILS
node
JS
Negron
posts
stories

GraphQL
isn't bind to
HTTP


Client
/graphql
Controller
Resolver
Resolver
Resolver
Domain logic


Client
Module
Resolver
Resolver
Resolver
Module logic

GraphQL over WebSockets

Subscription

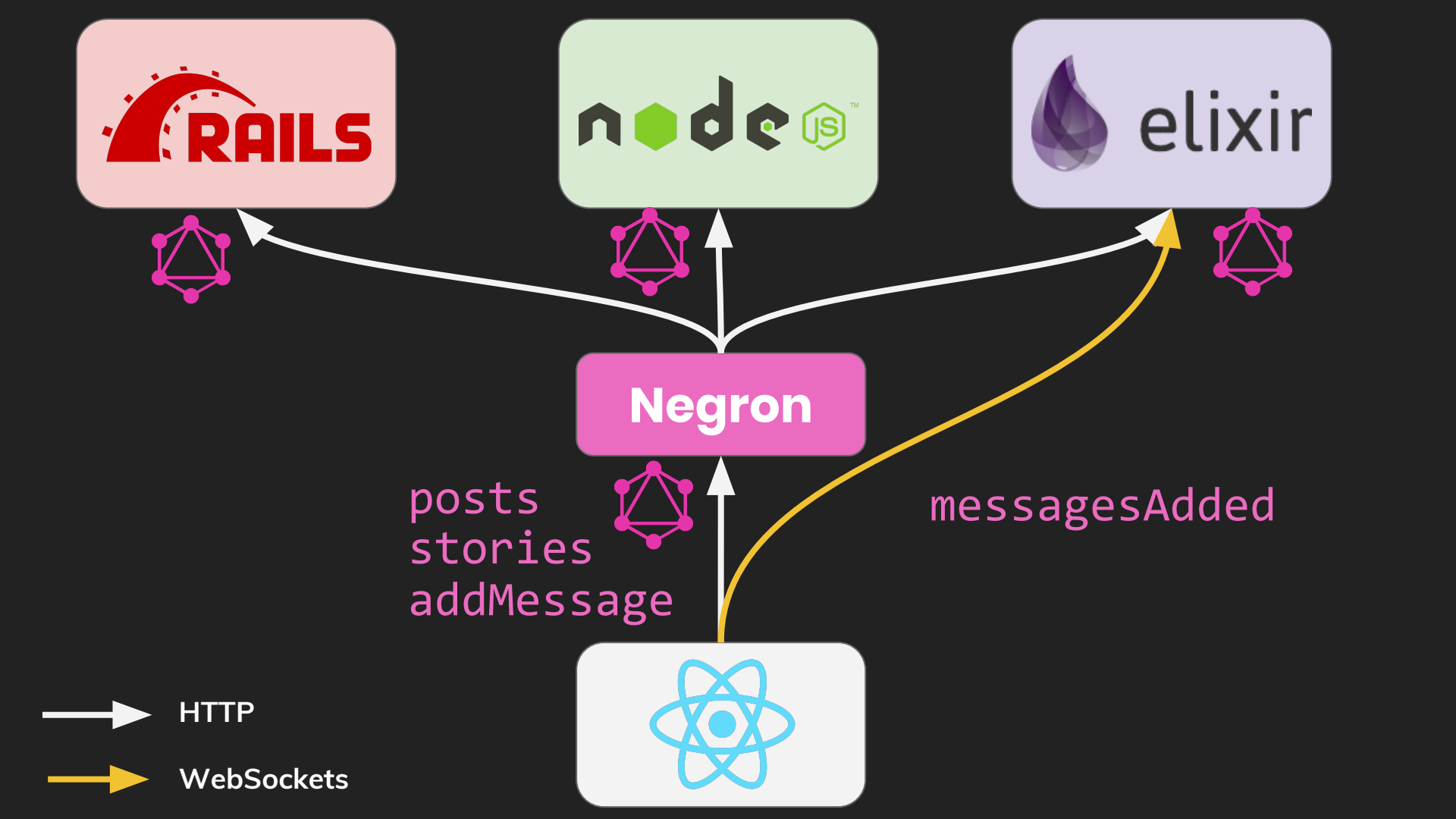
CRUD

subscription {
messagesAdded {
text
timestamp
}
}

messagesAdded
Client
Server

```
mutation {
  addMessage(text: "hey") {
    text
    timestamp
  }
}
```

```
subscription {
  messagesAdded {
    text
    timestamp
  }
}
```


RAILS
node
elixir
Negron
posts
stories
addMessage
messagesAdded
HTTP
WebSockets

DEMO

Thanks!

https://github.com/emibloque/graphql-realtime

https://github.com/the-cocktail/negron

@emibloque

the cocktail®