



LEAN-CODERS
create value without waste

PLEASE ALLOW ME TO INTRODUCE MYSELF

- Founder of LEAN-CODERS



- Married & father of 2 kids

Christoph

- Developing software since „what feels like forever“

WTF IS LEAN-CODERS ?

- Founded in 2015
- More than 25 amazing employees
- Full Service Provider with heavy focus on Web-Development (Typescript / Javascript FTW)
- Transparency over everything



OUR CURRENT MAIN STACK



Storybook, Jest, Cypress

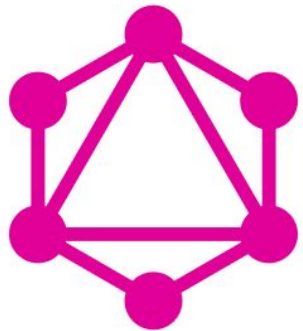


ESLint, Prettier



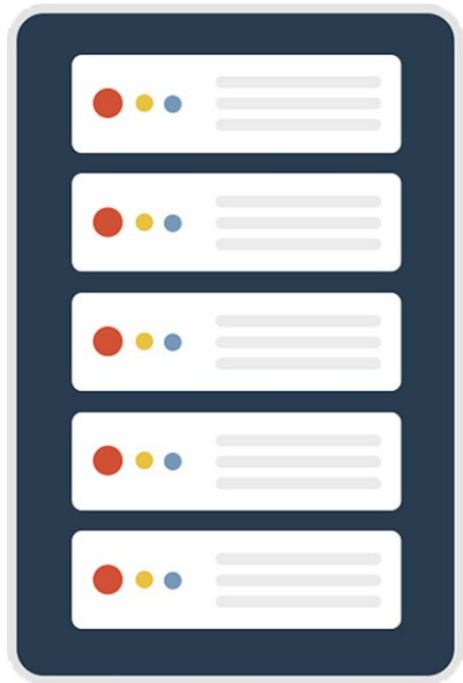
NestJS, NextJS, Node

WE ARE ON A MISSION !

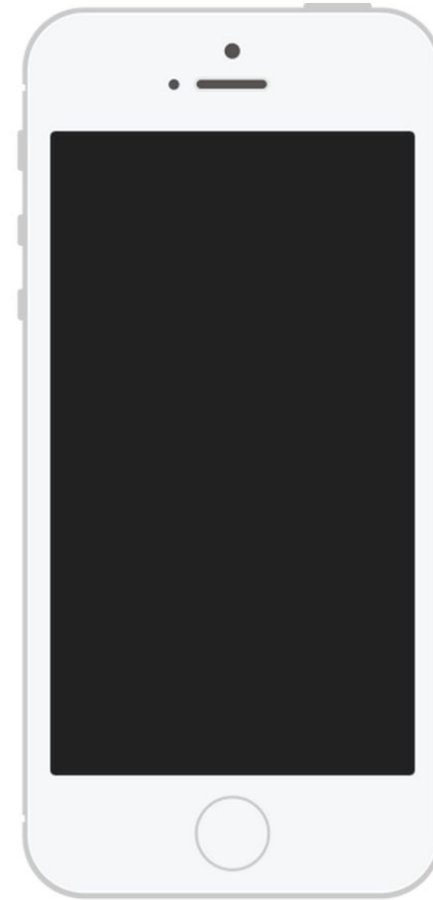


GraphQL

WHY GRAPHQL - WHAT'S THE FUZZ ?



GET api/people/1



WHY GRAPHQL - WHAT'S THE FUZZ ?

```
{
  "name": "Luke Skywalker",
  "height": "1.72 m",
  "mass": "77 Kg",
  "hair_color": "Blond",
  "skin_color": "Caucasian",
  "eye_color": "Blue",
  "birth_year": "19 BBY",
  "gender": "Male",
  "homeworld": "http://swapi.co/api/planets/1/",
  "films": [
    "http://swapi.co/api/films/1/",
    "http://swapi.co/api/films/2/",
    "http://swapi.co/api/films/3/"
  ],
  "species": [
    "http://swapi.co/api/species/1/"
  ],
  "vehicles": [
    "http://swapi.co/api/vehicles/14/",
    "http://swapi.co/api/vehicles/30/"
  ],
  "starships": [
    "http://swapi.co/api/starships/12/",
    "http://swapi.co/api/starships/22/"
  ],
  "created": "2014-12-09T13:50:51.644000Z",
  "edited": "2014-12-10T13:52:43.172000Z",
  "url": "http://swapi.co/api/people/1/"
}
```

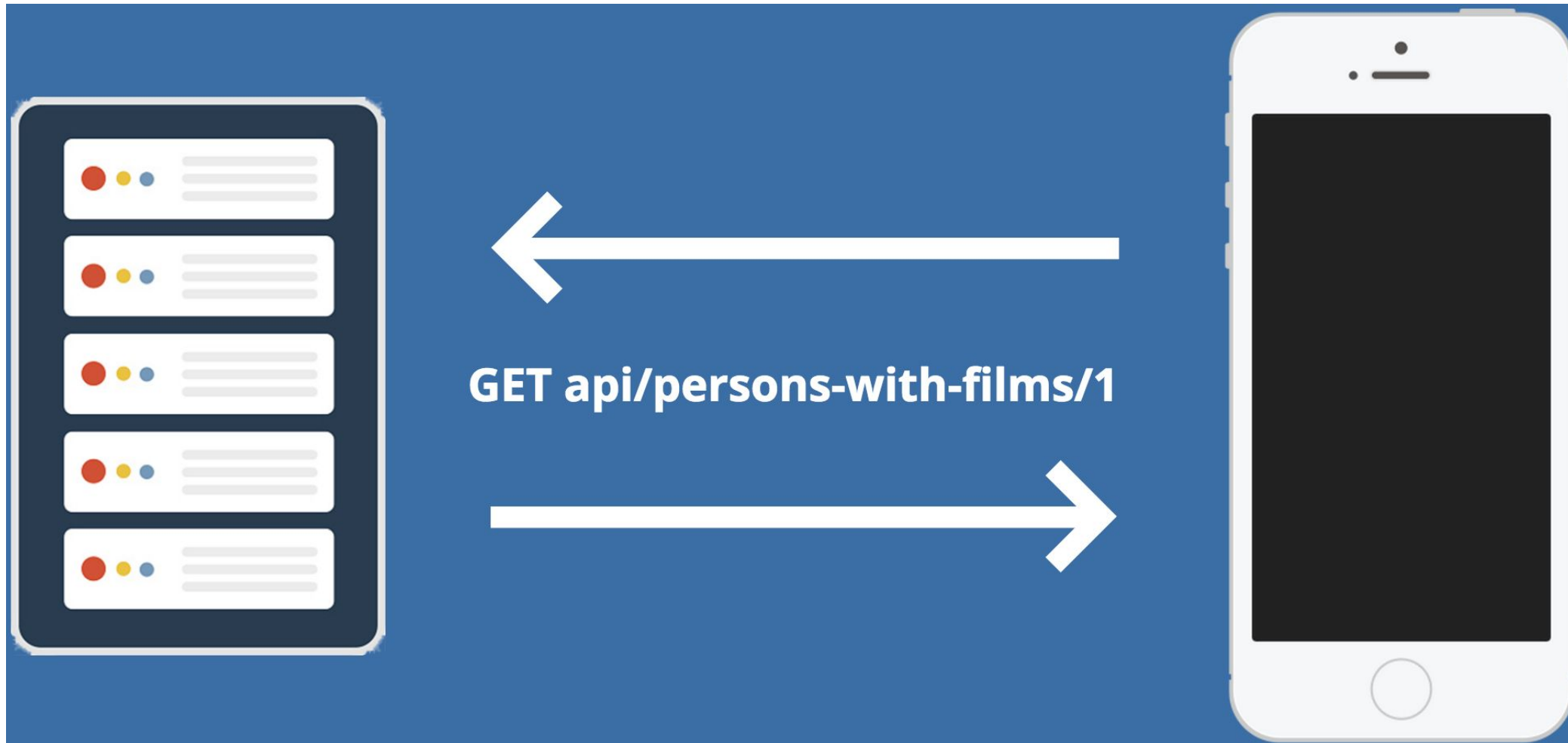
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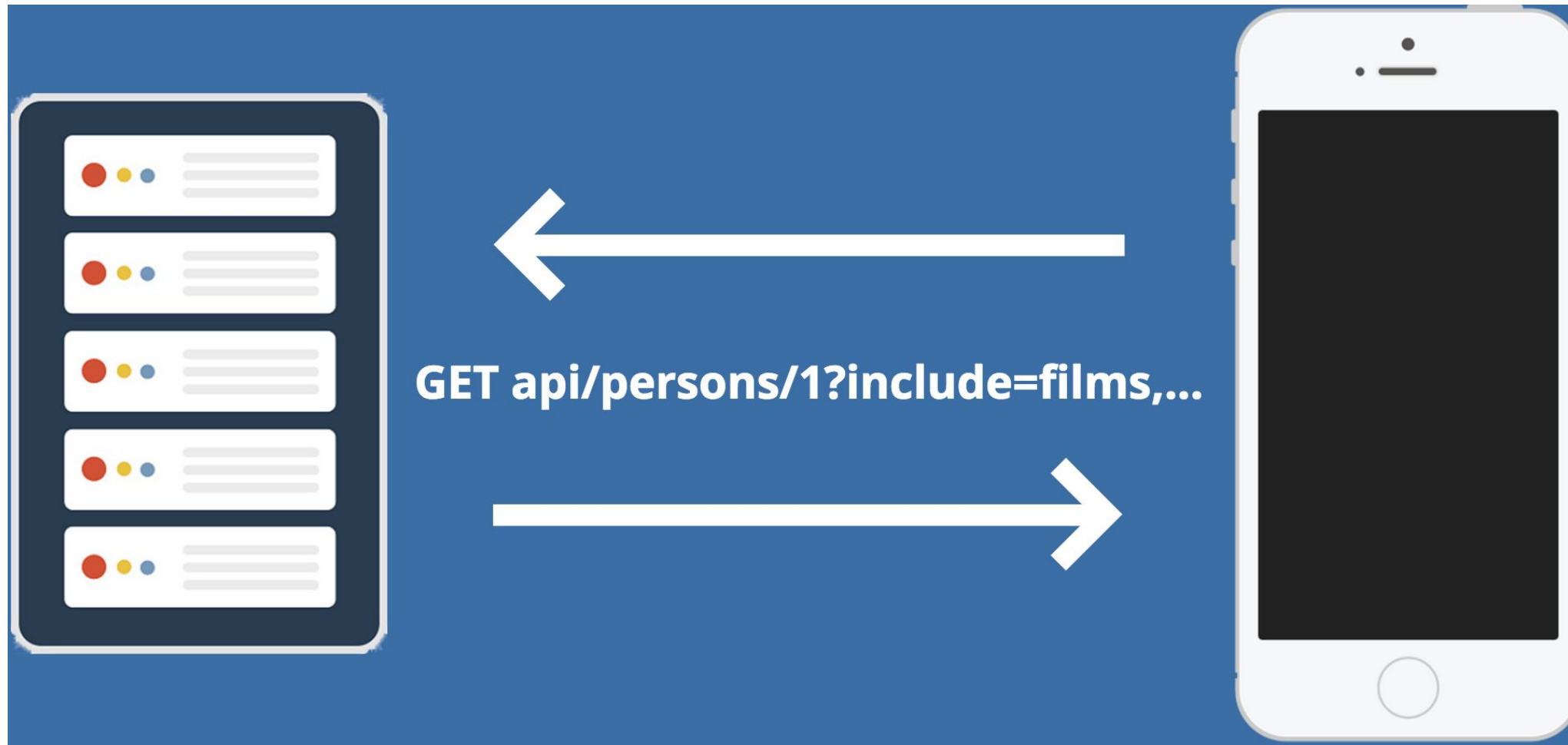
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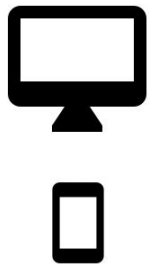


WHY GRAPHQL - WHAT'S THE FUZZ ?

Multiple versions of multiple apps



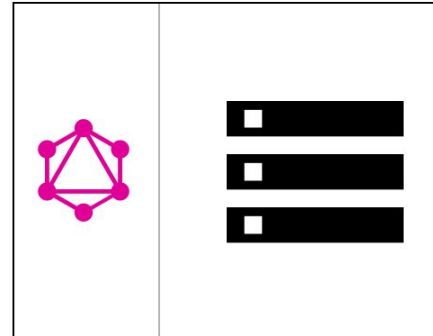
WHY GRAPHQL - WHAT'S THE FUZZ ?



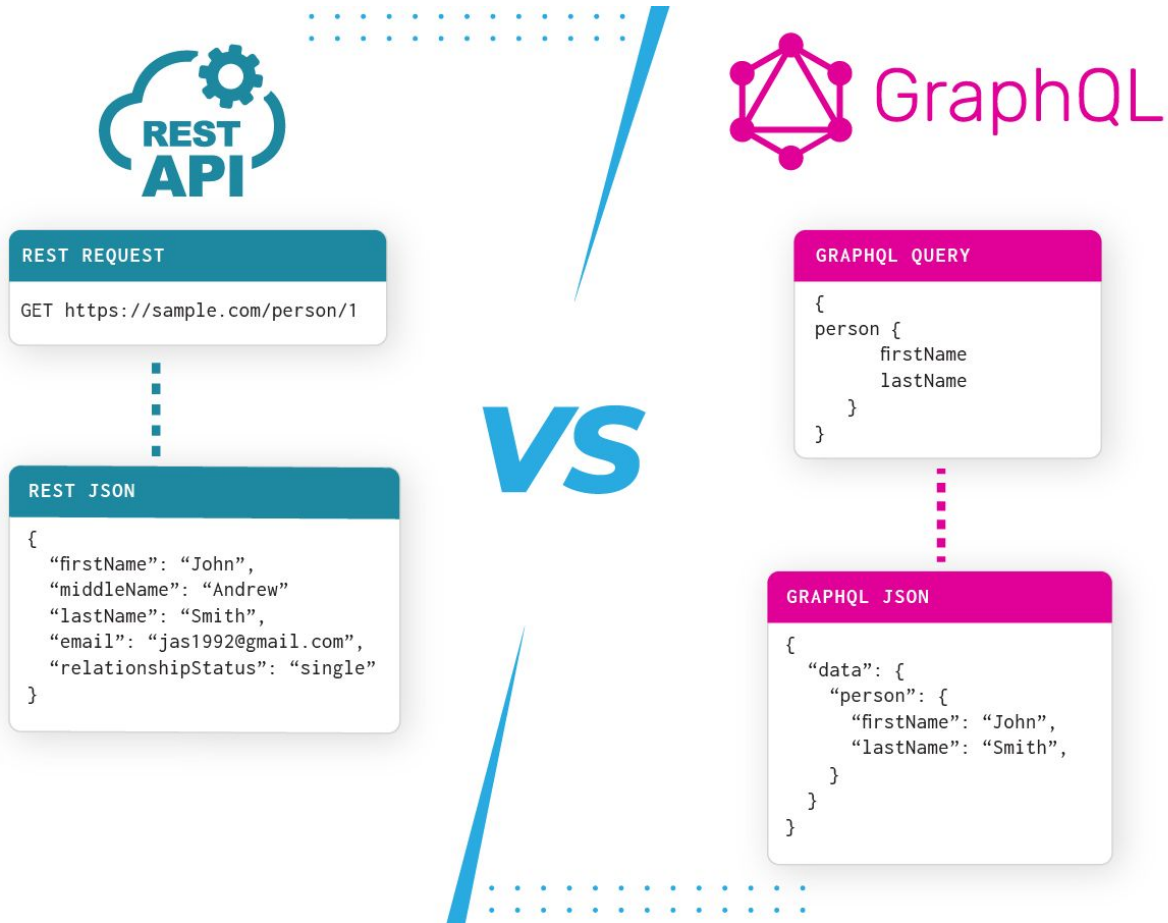
```
query {  
  User(id: "er3tg439frjw") {  
    name  
    posts {  
      title  
    }  
    followers(last: 3) {  
      name  
    }  
  }  
}
```

HTTP POST

```
{  
  "data": {  
    "User": {  
      "name": "Mary",  
      "posts": [  
        { title: "Learn GraphQL today" }  
      ],  
      "followers": [  
        { name: "John" },  
        { name: "Alice" },  
        { name: "Sarah" },  
      ],  
    }  
  }  
}
```

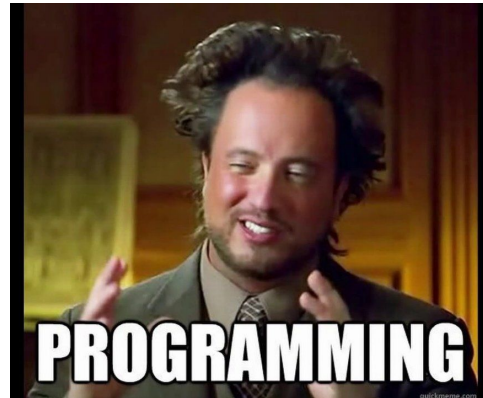


WHY GRAPHQL - WHAT'S THE FUZZ ?



2 Lessons today

Lesson 1: We will create a basic GraphQL server and play with it around



Lesson 2: We will create Next.js Application that will work with a GraphQL Backend. Also we will use a POSTGRES DB.



WHAT WILL YOU LEARN TODAY ?

Apollo Server creation

Query / Mutation Basics

Using the GraphQL Sandbox (formals known as GraphQLi)

Database Migration via ley

Dotenv usage

Nextjs Starter Templates



START YOUR CONSOLE

<https://github.com/uplevelled/react-graphql-front-end-backend-lessons>

<https://www.apollographql.com/docs/apollo-server/getting-started/>

<https://github.com/vercel/next.js/tree/canary/examples>

<https://graphql.org/>





**THE
END**