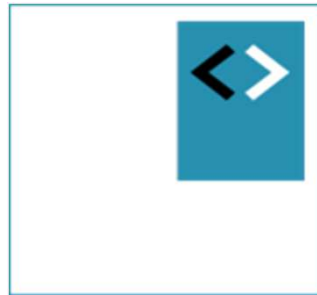
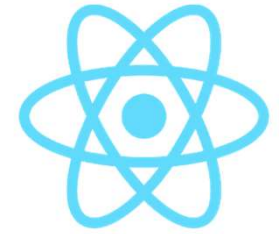


# React Fundamentals

## Short recap - day #2



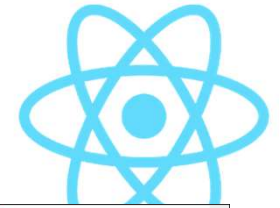
Peter Kassenaar –  
[info@kassenaar.com](mailto:info@kassenaar.com)



# Yesterday

- Selecting **Details**
- **Binding** to images
- **Conditional** rendering
- **Lifecycle** hooks in class based components
  - `ComponentDidMount()`
  - `ComponentDidUpdate()`
  - `ComponentWillUnmount()`
- Function based components: `useEffect()`
- **Forms** – controlled-, uncontrolled components

# New Kid on the Block - Vite



**DEV** Search...

Create Post

45  
 16  
 78  
...

**Nilanth**  
Posted on 16 mei • Originally published at [Medium](#)

## Use Vite for React Apps instead of CRA

#react #javascript #webdev #beginners

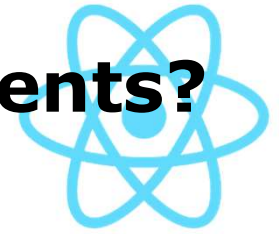
Most of us will be using [Create React App](#) for creating [React](#) App. It supports all the configurations out of the box. But when your project code grows you might face higher build times, a slower start in the development server and waiting 2 to 5 secs to reflect the changes you have made in code and this might increase rapidly when the app grows on a larger scale.

This increases

**More from Nilanth**  
  
Laravel Sanctum Authentication for React App using Breeze  
[#laravel](#) [#react](#) [#webdev](#) [#javascript](#)  
  
Twitter Followers Tracker using Next.js, NextAuth and TailwindCSS  
[#react](#) [#javascript](#) [#webdev](#) [#nextjs](#)  
  
Free eBook for React Optimization and Development Resources  
[#react](#) [#webdev](#) [#beginners](#) [#javascript](#)

<https://dev.to/nilanth/use-vite-for-react-apps-instead-of-cra-3pkg>

# Multiple text boxes in Function components?



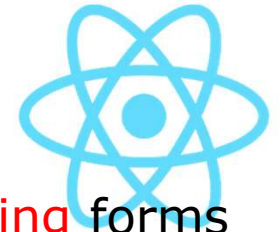
```
const emptyCountry = {name: '', population: ''}
const [newCountry, setNewCountry] = useState(emptyCountry)
const [newCountries, setNewCountries] = useState([])

// 1. updateCountry - updates the value of newCountry in the state
const updateCountry = (event) => {
  const name = event.target.name;
  const value = event.target.value;
  setNewCountry({
    ...newCountry, // spread in the existing, current country
    [name]: value // update the given property
  })
}
```

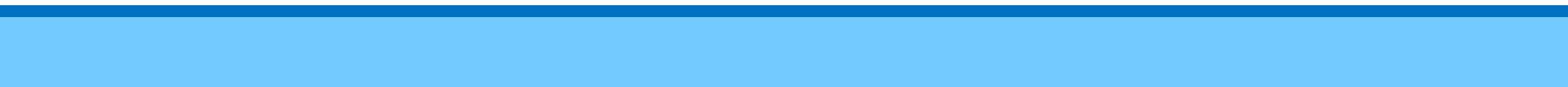
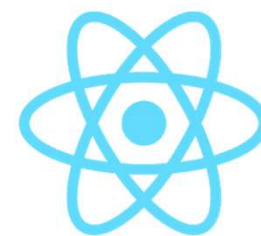
Example: `../410-multiple-textboxes/src/components/AddCountries/AddCountriesFunction.js`

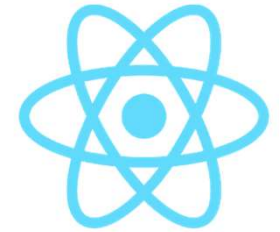
# Questions?

# Today



- Forms – **Uncontrolled** components, **selection** lists, **submitting** forms
- Using **Http** and external API's
  - Using/Creating a CRUD API
  - `json-server` / WordPress REST API
- **React Router**
  - Basic routing
  - Route parameters
- **Deployment**
- **Goodbye**





# React Next Steps

- Styling - React Router (also in PDF's)
- Advanced **Routing**
- Routing **Guards**
- State Management with **Context** and/or **Redux**
- **HOC** Components
- Writing **Custom Hooks**
- **Unit** testing
- **Error** handling
- ...

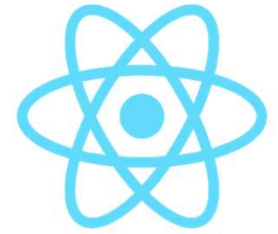




# Wrap-up

What have we learned?

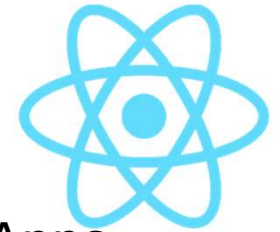
## Goals of this training



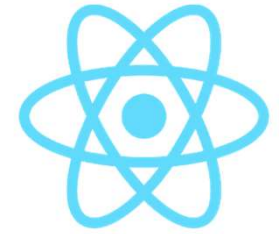
*You're **not** going to be a **React**  
**wizard** in 3 days (sorry)*

**but....**

# Goals



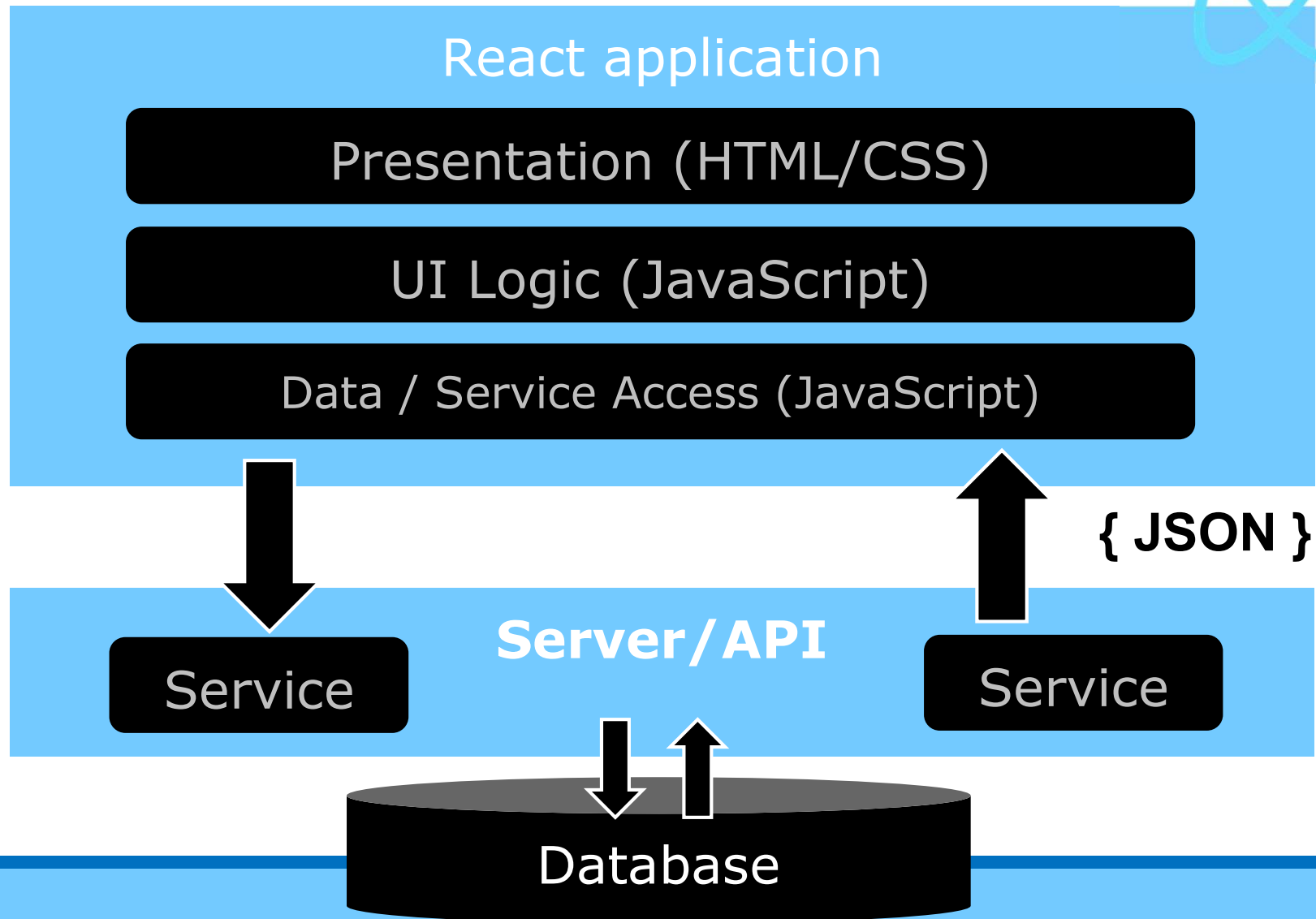
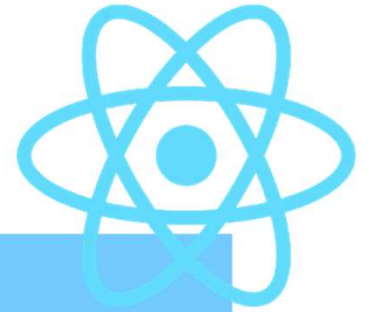
1. You *will* learn about the **structure and architecture** of React Apps.  
From a small `hello-world` app to the largest enterprise applications.
2. You are familiar with the **main React concepts** of the framework. You can always google the code details yourself.
3. You will have **some hands-on experience** regarding creating apps and components, API's/backends, security concepts, routing and forms.
4. You will have a **general understanding** of the way modern web apps are created using React and build tools.



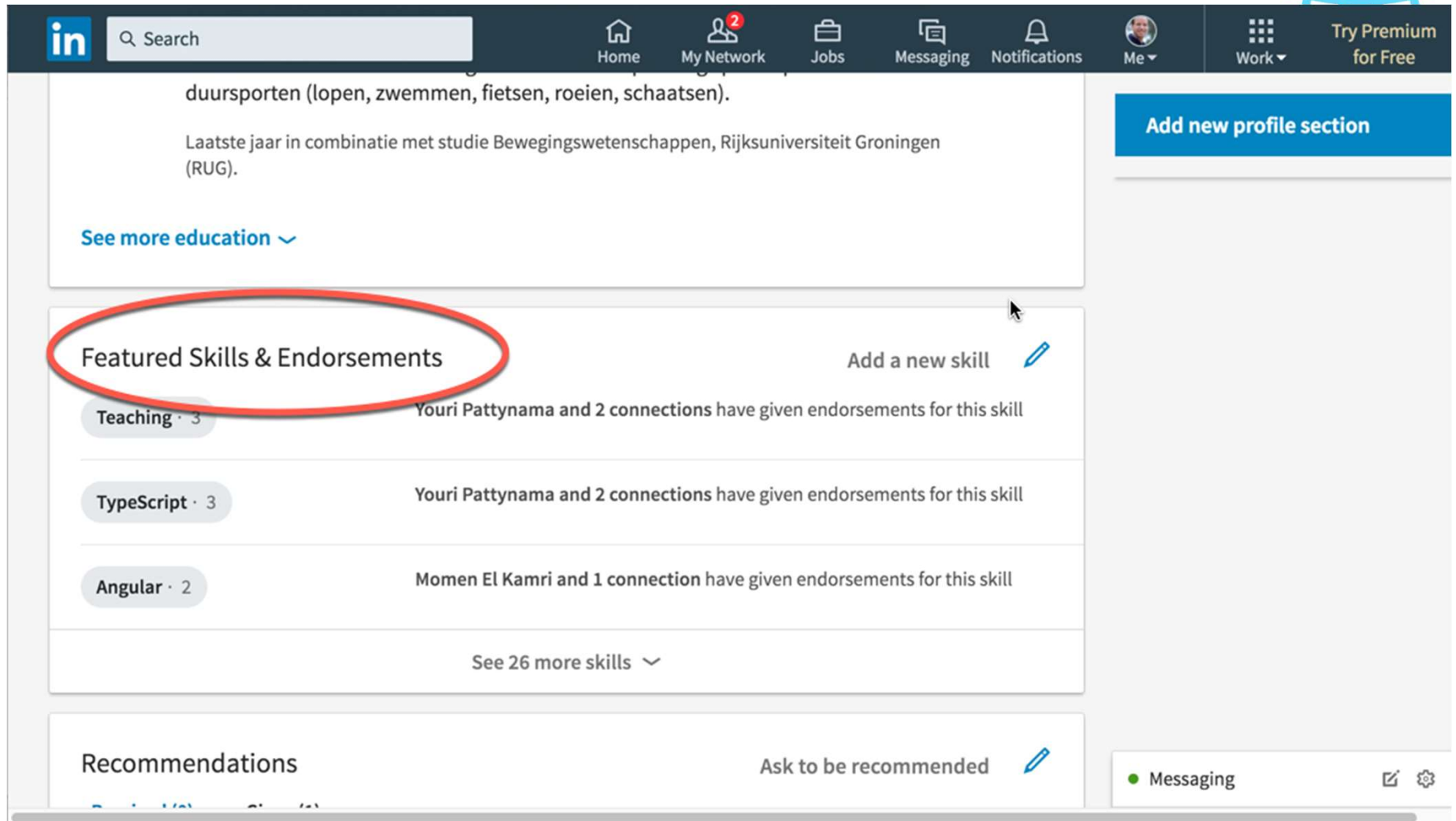
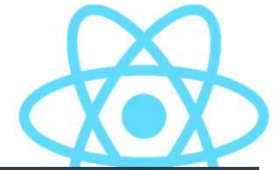
# Concepts

- Components
  - Classes, functions
- Data & State
  - `.map()`, data binding
- Props
- Forms
  - Controlled/uncontrolled components
- Http-communication
- Routing

# Single Page Application



# If you liked it, endorse



duursporten (lopen, zwemmen, fietsen, roeien, schaatsen).

Laatste jaar in combinatie met studie Bewegingswetenschappen, Rijksuniversiteit Groningen (RUG).

[See more education](#) ▾

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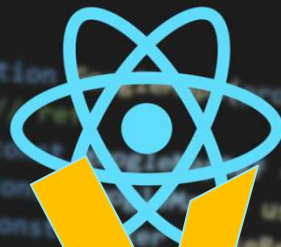
**Angular** · 2 Momen El Kamri and 1 connection have given endorsements for this skill

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● Messaging ✎ ⚙

<https://www.linkedin.com/in/peterkassenaar/>



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