



REACT AND REDUX

Kursus

4 dage
Nr. 87830 A

DKK 19.999
ekskl. moms

Dato

16-11-2020
12-04-2021
09-08-2021
15-11-2021

Sted

Taastrup
Aarhus
Taastrup
Aarhus

React, Redux & Router

På dette kursus lærer du alt om de grundlæggende funktioner i React og dets økosystem, så du straks kan tilføje React dele til både eksisterende og nye websider. Let's React! Undervisningen foregår på engelsk.

Is the HTML of your SPA also filled with unmaintainable semi code? Is data binding debugging and performance causing you headaches? Don't you remember how data finds its way to the UI?

Let's React!

Facebook created a new functional approach to tackle traditional complexities in JavaScript: ReactJS (open source). Maligned in 2013, embraced in 2015 by the largest websites in the world. Lets build fast components in a lasting and meaningful way.

Deltagerprofil

This course is intended for professional developers who are familiar with HTML and JavaScript programming.

*Gennem mine 25 år i branchen, og utallige kurser/seminarer, er Rick Beerendonk den dygtigste underviser jeg har mødt! Hans viden om emnet og hans materiale er enormt!
Søren Møller Thomsen, Kamstrup A/S*

Indhold

Introduction

- What is React?
- Why React?

Module 1: Language constructs for React & Redux

- EcmaScript 2018 and later (JavaScript): The relevant features for React and Redux.
- JSX
- Babel transpiler
- Optional: TypeScript

Module 2: Basic

- Render
- Fragments (React 16+)
- Properties
- Databinding

Module 3: Interactivity

- Events
- State: Initialising
- State: Change sync vs async

Module 4: Building Apps

- Functional vs Class components, single responsibility
- Multiple components
- Children
- Reusable components (prop-types / typescript)

Module 5: Component Life

- Component lifecycle (React 16+)
- Fetch server data
- Optional: Component lifecycle (React 15-)

Module 6: Developer experience

- Debugging
- Developer tools
- Unit testing
- Updating to new React versions

Module 7: Good to know

- Error Boundaries (React 16+)
- Forms
- DOM interactions
- Portals (React 16+)
- Placeholder (React 17+)
- Wrapping existing components

Module 8: Setting up a project

- Webpack
- ESLint
- Hot Module Replacement
- Create-react-app



- Optional: Zeit Next

Module 9: Redux Basics

- Redux Basics
- Redux Dev Tools

Module 10: React patterns (partly used by Redux)

- Pattern: Destructuring props and state
- Pattern: Higher Order Components
- Pattern: Render Props
- Pattern: Transclusion
- Context (Pattern: Implicit state)

Module 11: Advanced Redux

- Presentational vs Container Components
- React-Redux
- Redux Middleware
- Optional: Async actions
- Optional: Redux Undo

Module 12: React Router

- Static routing
- No match (like a 404)
- Dynamic routing
- Redirection
- Prompt
- Nested routes

Module 13: Performance

- ShouldComponentUpdate() lifecycle method
- PureComponent
- Event Handlers: inline vs method
- React Profiler

Module 14: Future (React v17+)

- Placeholder / Suspense
- Time Slicing
- (Latest and greatest)

Appendix 1: Immutable Data

- Immutable JavaScript: List; Map; Set; Convert from and to raw JavaScript objects; Nested structures; Lazy sequences; Equality; Batch mutations

Appendix 2: Other React targets

- React Native: Shared components
- React Native: Shared code vs platform specific code
- React 360
- Other React targets

Appendix 3: Styling

- Animations



- CSS, Inline styles
- Optional: Styled Components

Appendix 4: Isomorphic Applications

- Server side rendering (universal/isomorphic applications), ReactJS.NET,
- Search Engine Optimization (SEO)

[Se også vores avanceret React kursus på 2 dage](#)

Undervisere



Rick is a senior consultant and trainer from The Netherlands. He has over 20 years of professional experience while working in small, large and fast growing organisations. His passion is simplicity, well-written code and team dynamics. He is specialised in front-end technologies and speaks regularly about these topics at international events. Rick teaches and talks about React since 2014.

Har du faglige spørgsmål så kontakt



Jette Ravn Merkel
+45 72202695
jetm@teknologisk.dk