

# React II: Advanced techniques

Course code: JS\_REACT2

This course is designed for advanced JavaScript programmers who want to expand their knowledge of front-end application development in React. The course will give you an overview of hook functions, memoization, reducers and server-side components. The course assumes knowledge of JavaScript at the [JS\_PROG2] course level and knowledge of the React library at the [JS\_REACT1] course level.

## For whom the course is intended

### What we will teach you

- Work with built-in React hooks
- Create custom hooks
- Memoization
- Work with server components

### Required Entry Level Skills

- Course-level knowledge of JavaScript [JS\_PROG2].
- Course-level knowledge of the React library [JS\_REACT1]

### Course outline

Use of references

- ElementRef
- useId
- useRef

Memoization

- useMemo
- useCallback
- React compiler

Reducery

- what is a reducer?
- useReducer

Suspence and defer

- Suspense component
- useDeferredValue

Server components

#### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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