Front-End React e-learning channel

Practical course - 1d - 07h37 - Ref. 8FE
Price : 190 CHF E.T.

Master front-end development with React, the scalable JavaScript library designed to create interactive, responsive user interfaces. Discover React's robust ecosystem with our specialized channel and explore its advanced features for building high-quality web applications.

Teaching objectives

At the end of the training, the participant will be able to:

- Know the fundamentals of web development.
- Develop with CSS, HTML and JavaScript.
- Use CSS style sheets.
- Use the react-router library.
- Prepare the development environment.
- Learn about navigation components: link creation, redirects, multiple page management…
- Create a complete navigation system for an application.
- Understand the component life cycle.
- Putting hooks into practice.
- Put references, fragments and HOC (Higher Order Component) into practice.
- Understand the principles and operation of React.
- Get to know the concepts that will take you further with React.
- Building a web application with the React framework.

Intended audience
Front-end web developers who want to build a web application using the React framework.

Prerequisites
Knowledge of JavaScript.

Practical details

Digital activities

IT structure: recorded courses, expert videos and best practice sharing.

Mentoring

L'option tutorat propose un accompagnement personnalisé par un formateur référent ORSYS, expert du domaine. Adapté aux besoins, aux capacités et au rythme de chaque apprenant, ce tutorat combine un suivi asynchrone (corrections personnalisées d'exercices, échanges illimités par message…) et des échanges synchrones individuels. Bénéfice : une meilleure compréhension, le développement des compétences et un engagement durable dans la formation.

Pedagogy and practice

A wealth of content produced by trainers following a rigorous pedagogical approach. During each course, operational cases are commented on by experts to help learners put into practice what they have just learned. To help learners anchor their memory, each content item is broken down into short sequences of 3 to 10 minutes. This enables each learner to learn dynamically and independently.

Course schedule

1 HTML, CSS and JavaScript, learn the fundamentals of web development

- Introduction to web development.
- Introduction to HTML.
- Introduction to CSS style sheets.
- Introduction to the JavaScript language.

2 React, the JavaScript framework for front-end web application development

- Understanding React.
- Understand the principles and operation of React.
- Produce a directory of public services.
- Go further.

3 React: managing web application navigation with react-router

- Learn how to navigate your web application with react-router.
- Getting to grips with react-router.
- Putting it into practice: creating a country guide.

4 React, learn about the advanced features of the front-end development framework

- Understand the development environment.
- Understand the life cycle of components.
- Use Refs, Fragments and propTypes.
- Master React Hooks.