Front-end developer certification course

Practical course - 16d - 112h00 - Ref. KPC

This certification course will enable you to master all the steps required to build a front-end application. You'll learn the fundamentals of Html5/CSS3 and Javascript, as well as the Angular and ReactJS frameworks.

Teaching objectives

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

- Design and develop web applications in HTML5 and CSS3
- Master the syntax of the JavaScript language
- Manipulating the DOM structure of an HTML page
- Master the Angular and ReactJS frameworks

Intended audience
Anyone wishing to develop a front-end application.

Prerequisites
None.

Certification
This certification course is validated by a written exam in the form of a case study (see Ref. KPZ).

Course contents

This course consists of the following modules :

Javascript, Dynamic HTML

Ref. DHL - 4 days   ⭐ 4 / 5

AngularJS 2 : Mastering Google's front-end framework

Ref. AGU - 4 days   ⭐ 4 / 5

ReactJS: Mastering the Facebook JavaScript framework

Ref. TJS - 3 days   ⭐ 4 / 5

Front-end developer certification

Ref. KPZ - 1 day   ⭐ 5 / 5

Course schedule

(1) HTML5, introduction

- Introduction to HTML.
- The structure of an HTML document.
- The HTML document header.
- The body of an HTML document.
- Tabular data display.
- The main form tags.
- Digital accessibility.

Hands-on work

HTML language implementation.

(2) HTML5 & CSS3, mastering web page creation

- Introduction.
- New structuring.
- Simple forms.
- The new HTML tags.
- CSS3 selectors.
- Colors and text formatting.
- Box and background formatting.
- Grid Layout.
- Flexbox.
- Choosing a CSS framework.
- SVG, vector and responsive images.

Hands-on work

Discussions, experience sharing, demonstrations, tutorials and case studies.

③ JavaScript, dynamic HTML

- Web technologies.
- The JavaScript language.
- Events and data.
- HTML form management.
- Interaction with cascading style sheets.
- DOM XML manipulation.
- Ajax.

Hands-on work
JavaScript programming, DOM manipulation, interactivity management.

④ Angular, mastering Google's front-end framework

- JavaScript development: a reminder.
- Migrating from AngularJS 1.x to Angular.
- The ng or @angular/cli utility.
- Component definition.
- Classification of application components.
- Forms management, routing and http requests.
- Unit testing. Best practices and tools.

Hands-on work
Modular application composition with Angular.

⑤ ReactJS, mastering Facebook's JavaScript framework

- Overview of RIA components.
- Developing with ReactJS.
- Component interactivity.
- Single-page application with ReactJS and Flux or Redux.
- Isomorphic application.
- Introduction to React Native.

Hands-on work
You'll be building a complete application based on the ReactJS framework.

Dates and locations

REMOTE CLASS
2026 : 23 Mar., 24 June, 7 Oct., 2 Dec.

PARIS LA DÉFENSE
2026 : 23 Mar., 24 June, 7 Oct., 2 Dec.