



*Training Course:
Web Development*

*27 - 31 July 2026
Barcelona (Spain)*

Training Course: Web Development

Training Course code: IT234608 From: 27 - 31 July 2026 Venue: Barcelona (Spain) - Training Course Fees: 6300 € Euro

Introduction

Learn how to build dynamic web applications. In this course, we will teach you the fundamentals through the development of a sample application that exposes a public website. you'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. With this course, frontend and backend engineers familiar with Javascript will discover new ways of looking at web development

Course Objectives

- Create a webpage templating system for rendering dynamic data
- Dive into request and response objects, middleware, and URL routing
- Simulate a production environment for testing and development
- Focus on persistence with document databases.
- Make your resources available to other programs
- Build secure apps with authentication, authorization, and HTTPS
- integrate with social media, geolocation, and other third-party services
- Implement a plan for launching and maintaining your app
- Learn critical debugging skills

Target Audience

- Front-end and back-end developers working with JavaScript
- Web developers who want to build dynamic and scalable web applications
- Software engineers interested in full-stack web development Express-based applications
- Developers working with single-page, multi-page, or hybrid web applications
- IT professionals aiming to improve skills in modern web architecture and frameworks
- Beginners with basic programming knowledge who want to enter web development
- Developers interested in APIs, authentication, and third-party integrations
- Anyone looking to strengthen practical skills in building production-ready web applications

Course Outlines

Day 1: Back-End Development Fundamentals

- Introduction to server-side technologies Node.js, PHP, ASP, JSP
- Basics of MySQL and database integration
- XML and AJAX fundamentals
- Understanding backend architecture and communication with frontend

Day 2: Front-End Development Technologies

- JavaScript fundamentals for web applications
- Overview of frameworks: AngularJS, ReactJS, VueJS

- jQuery basics and DOM manipulation
- Client-side rendering and interaction handling

Day 3: Web Design Fundamentals Part 1

- HTML5 structure and semantic elements
- CSS3 styling and layouts
- Responsive design principles
- Typography and visual hierarchy

Day 4: Web Design & UI Enhancement Part 2

- Material Design principles
- Animations and transitions
- Building responsive and interactive user interfaces
- Improving UX/UI design for web applications

Day 5: Version Control & Deployment Basics

- Introduction to Git and version control systems
- Working with repositories and collaboration workflows
- Using npm packages in projects
- Best practices for maintaining and deploying web applications

Registration form on the Training Course: Web Development

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