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# Velo training: Wix for developers

3 days (21 hours)

## Presentation

Create high-performance sites on the 3rd [most widely used CMS in the world](#). This is the main objective of our Wix training for developers.

Our program comprises several essential modules. First, we'll introduce you to Velo by Wix: its interface, features, strengths and weaknesses.

You'll be introduced to Wix Studio, the [modern editor](#) of the famous CMS. From there, you'll learn how to code in the right environment, using the Wix CLI, secrets and environment variables.

Our training will cover the complete development of a website. Thanks to the frontend development module, you'll discover the structure of a Wix page, client-side programming, functional testing and event management.

On the backend, you'll learn how to use packages, manage functions and APIs and cron jobs. At the end of this course, you'll be fully equipped to become a Wix full-stack developer.

## Objectives

- Understanding Velo's capabilities and development interface
- Master the use of Wix Studio's integrated development tools
- Front-end development on Wix
- Mastering backend development on Wix

## Target audience

- Fullstack developers

- Web developers
- Frontend developers
- Backend developers

## Prerequisites

- Web development experience
- Good knowledge of JavaScript
- Good knowledge of NodeJS

# OUR WIX TRAINING PROGRAM FOR DEVELOPERS

## INTRODUCTION TO VELO BY WIX

- Velo by Wix and its capabilities
- Discovering the development interface
- Basic principles of development with Velo
- The benefits
- The limits
- Creating a developer account on Wix

## GETTING STARTED WITH WIX STUDIO

- Introduction to Wix Studio
- Navigating the Wix IDE
- Use of integrated development tools
- Configuring the local development environment with Wix CLI
- Secret management
- Environment variables

## FRONT-END DEVELOPMENT

- Wix page structure
- Using editor elements
- Client-side JavaScript programming
- Event management
- Using the Wix API
  - Location
  - Window
  - Storage
- Functional testing
- Debugging

## DATABASE MANAGEMENT ON WIX DATA

- What is Wix Data?
- Creating data collections
- Managing data collections
- Programming Wix Data queries
- Integration of dynamic data with repeaters
- Good performance practices
- Caching

## BACKEND DEVELOPMENT

- Velo and Node.js integration
- Using Fetch
- Using npm packages
- Using Velo packages
- Creation and management of backend functions
- Creating and managing Web Modules
- Integration with third-party services and APIs
- Securing API keys and sensitive data
- Cron jobs
  - Planning
  - Execution

## PRACTICAL PROJECT

- Putting into practice the concepts learned through a concrete project
- A reminder of best web practices
  - UX
  - SEO
  - Security
  - Performance
- Website development integrating frontend and backend
- Advanced use of repeaters
- Advanced database management

## Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.