

WOMEN4IT

2020



TRAINING ROADMAP

Junior Web Developer

About This Training Path

Total Hours

160

Training Objectives

The purpose of this training path is to give you the opportunity to learn and practice the professional skills required to be a junior web developer. Web developers are a fundamental part of any tech team. Junior web developers bring to life the mock-ups created by UX designers. They translate these graphic recommendations into web pages by writing HTML, CSS, and JavaScript code. They are often in charge of integrating text, image, animation, video, and sound content on the web; optimising the performance and compliance of web pages; and establishing communication between the interface and server with JavaScript.

Upon successful completion of the training you will be able to:

- Integrate a web page from a graphical mock-up in HTML5, CSS3, and Sass.
- Implement a relevant navigation structure for a website.
- Create simple animations using CSS.
- Research, analyse, and implement current SEO best practices.
- Ensure web pages are compliant with accessibility standards.
- Make websites responsive to screen sizes and compatible with different browsers.
- Change elements of a website dynamically using the JavaScript programming language.

Success Criteria

You are assessed continuously throughout the training, earning badges for every module you successfully complete. You must achieve all badges to successfully complete the training. A minimum attendance rate of 75% is required.

Accreditation

You may qualify, in full or in part, for credits towards future training courses or certification by an awarding body. Your mentor will explain these options to you before you begin.

Your Training Roadmap

Your trainer may conduct a pre-assessment exercise with you to determine your knowledge of the subject and your comfort level with technology. This may be in the form of a short online test, a paper survey or informal interview, either 1 to 1 or in a group with your fellow learners. A digital skills introductory course may be recommended for you to help you progress through the training roadmap.

UNIT 1

A day in the life of a web developer.

Learning Objectives

- Know how to plan the website.
- Be familiar with the latest trends in website design.
- Create the structure of the website.
- Make the page the same as in the design file.
- Use a 'Grid system'.
- Learn to write faster and more convenient with 'Sass'.

UNIT 2

Build the website to inspire!

Learning Objectives

- Understand basic programming principles.
- Be able to use JavaScript in website projects.
- Be able to use the JavaScript library "jQuery".
- Use SEO techniques.
- Know how to optimise a website.

UNIT 3

Data incorporation.

Learning Objectives

- Understand the key concepts of the Git source control system.
- Know how to manage files with Git.
- Know how to create branches and resolve merge conflicts like a pro.
- Write SQL queries to manipulate data.
- Know how to write complex SQL queries to obtain useful information from the database.

UNIT 4

Website Guru.

Learning Objectives

- Write code in the PHP programming language.
- Create websites and blogs with WordPress.
- Update and edit existing WordPress websites.
- Present your website.