

How does the web work :

- Web servers and web browsers communicate via HTTP
- HTTP ensures that all parts of the web page are delivered
- Web browser decides how these items are displayed

The backbone of the web is the network of *web servers* across the world. These are really just computers that have a particular type of software running on them - software that knows how to speak the HTTP protocol and knows which information stored on the computer should be made accessible through the web.

What do you need to be a web developer :

While there are no formal or specific qualifications required to become a web developer, a numerate degree in a subject such as maths or science will be useful.

You should also ideally have an aptitude for - or experience of - elements such as:

- User experience (UX)
- User interface (UI)
- Visual design
- Coding languages including HTML and CSS
- Frontend web programming languages and skills such as JavaScript, Ajax and web animation techniques
- Backend web programming languages such as C# or Java, PHP and Ruby
- Design software like Photoshop and Illustrator and Sketch
- An understanding of SEO
- Web servers and how they function

A career as a web developer is very specialised. While programs such as Adobe Dreamweaver and platforms such as WordPress are often perceived to take the place of core coding skills - and they do indeed allow novice users to create sites with basic knowledge - developing sites for corporate clients requires high levels of customisation which cannot be met with the use of programs such as Adobe Dreamweaver, as web developers are required to code in the raw language of the web.

What is the role of web developer :

A Web Developer must have experience in the planning and the delivery of web applications across multiple platforms. A typical Web Developer job description should cover:

- Writing efficient code
- Creating websites/a website using standard HTML/CSS practices
- Working closely with web designers and programmers to produce the website

- Constant communication with other colleagues in the business to develop and deploy their content – and ensuring there is a clear establishment of what can be created within what timeframe
- Researching different software programs, maintaining software documentation
- Implementing contingency plans in case the website goes down
- Maintaining and expanding/enhancing the website once built
- Managing a team might also be part of the job role