

It's a Great Time to Become a Web Developer

Thirty years after Tim Berners-Lee first proposed the idea of a globally connected information system (World Wide Web), software development for the web remains one of the **fastest growing** and **most in-demand careers** around the world.

"Web developer jobs will grow 15% between 2016 and 2026."

U.S. BUREAU OF LABOR AND STATISTICS

Today, there are more than 4 billion internet users globally, visiting over 5 billion webpages, and not nearly enough web developers to build all of the websites and apps that people and businesses need.

WHO ARE WEB DEVELOPERS?



Web developers are the people who **code, build, analyze, and maintain websites** and the applications that support and connect them. There are many different types of web developers, and one common distinction is between "front end" and "full stack". Depending on your goals and interests, either or both roles can be a great fit.

Importantly, web developers can come from **all sorts of backgrounds** — you do not need to be an expert in math or computer science to take advantage of all the opportunities in this field!

FRONT END WEB DEVELOPER

The front end of a website is the part that users interact with. Everything that you see when you're navigating around the Internet, from fonts and colors to dropdown menus and sliders, is a combination of HTML, CSS, and JavaScript being controlled by your computer's browser.

RESPONSIBILITIES

- ✓ Work closely with designers to bring mockups or wireframes, from development to delivery.
- ✓ Identify specific issues in the user experience and provide programmatic solutions to influence the design.
- ✓ Create tools, libraries, and frameworks for other developers to build upon.
- ✓ Optimize applications for maximum speed and scalability.



SKILLS

- 💡 Constructing desktop and mobile websites using CSS.
- 💡 Developing interactive websites and UI (User Interface) applications using JavaScript and HTML.
- 💡 Connecting a web application to backend server data using JavaScript.
- 💡 Automating application build and deployment.

FULL STACK WEB DEVELOPER

Full Stack Web Developers are the people who configure the various servers, applications, and databases that, taken together, enable user-facing pages to exist in the first place.

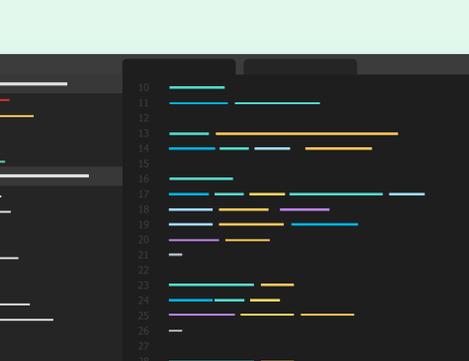
RESPONSIBILITIES

- ✓ Integrate user facing elements developed by front-end developers with server-side logic.
- ✓ Create and deploy database-backed web APIs (Application Programming Interfaces).
- ✓ Implement authentication, security, and data protection protocols.
- ✓ Trace performance and infrastructure bottlenecks and implement solutions.



SKILLS

- 💡 Designing and building databases for software applications.
- 💡 Creating and deploying database-backed web APIs.
- 💡 Securing and managing user authentication and access control.
- 💡 Deploying web applications to the cloud.



LEARN WITH UDACITY

With demand already high and rapidly growing, there's never been a better time to become a web developer. Enroll in Udacity's Front End or Full Stack Nanodegree programs today to join the **over 27,000 students** who have learned web development with Udacity so far and benefit from:



Brand new projects

Both programs will include new projects, with personalized reviews, designed to help you practice your skills in web development.



Technology refresh

We've updated our Front End and Full Stack Nanodegree programs to use the latest versions of popular tools and best practices.



1-on-1 mentorship

With a knowledgeable mentor by your side to provide guidance and motivation, you're sure to meet your learning goals.

Visit udacity.com/become-a-web-developer to learn more about the Front End and Full Stack Web Developer Nanodegree programs that will give you the skills you need to be in-demand.