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.

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.

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

U.S. BUREAU OF LABOR AND STATISTICS

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!

RESPONSIBILITIES

FRONT END WEB DEVELOPER

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

SKILLS

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

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

SKILLS

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

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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:

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