

# Web Developer

## About my job:

I design and create websites. I am responsible for how the site looks and its technical aspects, such as performance and capacity, and measuring speed and traffic. I also can create content for the site, or upload content that others have developed.



## What I do every day:

- Design, create and maintain websites, by using authoring or scripting languages, management tools, content creation tools and digital media
- Manage website updates or direct others to do so
- Write, design or edit the Web content
- Coordinate with others to develop priorities, identify content criteria or resolve problems
- Identify problems and correct them as needed
- Evaluate code, ensuring that it is properly structured, meets industry standards and works with browsers, devices or operating systems
- Stay informed about current Web technologies and programming practices through continuing education, participation in professional conferences and associations
- Develop and ensure compliance with corporate security guidelines

## What makes my job great?

### Job growth:

Employment of Web developers is projected to grow faster than the average for all other occupations - from 20 percent in 2012 to 2022.

### Short-term training:

Typically, Web developers need an associate degree in Web design or a similar field. Web developers need to be experienced in both programming and graphic design. A Web developer's education could range from a high school diploma to a bachelor's degree.

### Good pay:

The median salary is about \$59,100/year. (That means that 50 percent earn less than this number, and the other 50 percent earn more.)

### Benefits:

Most Web developer's work full time with benefits that may include:

- **Healthcare**
- **Paid vacation**
- **Tuition assistance**
- **Flexible hours and/or work locations**

# How can you become a web developer?



## Academic/training credentials:

A majority of Web developers have an associate degree or a postsecondary certificate. Having a degree or certificate increases employment opportunities.

## Other credentials:

- Sun certified Web component developer (SCWCD) credential
- Oracle certified professional Java SE programmer
- Microsoft Certified Professional developer (MCPD) Certification
- Microsoft's MCTS: Web application development
- CIW Web development professional

## Work experience/internships:

Internships provide excellent experience and may even lead to employment.

## Skills and requirements:

- Thorough computer programming experience
- Experience in all types of graphic design
- Experience with hardware needs and software platforms
- Strong verbal and written communication skills
- Strong knowledge of database structure
- Experience with current Web design trends

## Where you can find jobs:

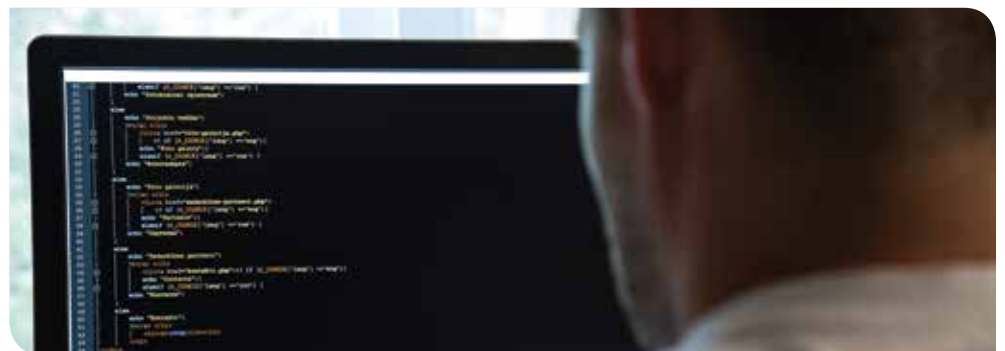
- Online job boards
- Career fairs
- Department of Career Services at colleges
- Networking with family, friends and teachers
- Company websites
- Social Media
- Computer user groups

## Potential job titles:

- Webmaster
- Web developer
- Web author
- Web content specialist
- User interface developer

## Potential local employers:

- the Cleveland Clinic
- CyberCoders
- Eaton Corporation
- General Electric
- Key Bank
- Parker-Hannifin
- Progressive Insurance
- Sherwin-Williams



# Local educational opportunities

## Two-year institutions:

- Lakeland Community College: Associate of Applied Business in IT and Computer Science (web content developer concentration)
    - Graphic design for the web certificate
    - IT specialist certificate
    - IT professional certificate
- Contact Lakeland Information Technology & Computer Science Department Chair at 440.525.7265.
- Cuyahoga Community College: Associate of Applied Business in Information Technology-Web Page Maintenance
    - Web application development certificate
    - Web design and development certificate



## Four-year institutions:

- Holden University Center of Lakeland Community College/Kent State University: Bachelor of Technical and Applied Studies, Computer Technology General Concentration
- Cleveland State University: Bachelor of Science in Computer and Information Science
- Kent State University: Bachelor of Science in Computer Science
- University of Akron: Bachelor of Science in Computer Science



## High School Tech Prep:

- A-TECH: computer information systems program
- Auburn Career Center: internet programming and development program
- Lake Shore Compact: computer information systems program
- Excel TECC: information technology and programming
- Contact your high school guidance office



## Coursework per educational entity:

### Secondary pathway:

Computer Information Technology

### Postsecondary program:

Web Developer

An Example of Course with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Information Technology	World Languages
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	World Languages	Programming
	11	English III	Algebra II	Chemistry	U.S. History	IT Fundamentals	Event Driven Programming	Web Development
	12	English IV	Trigonometry/ Calculus	Physics	U.S. Government	Database Applications Development	Object Oriented Programming	
Postsecondary	Year 1 1st Semester	English	College Seminar	Intro to Business	Internet Services, Tools & Web Creation	Computers and Information Processing	Programming Logic	Using Microsoft Windows
	Year 1 2nd Semester	Business Communications	Principles of Microeconomics	Web Programming I	Java Programming I	Introduction SQL	Introduction to Web Design	
	Year 2 1st Semester	Principles of Marketing	JavaScript Programming I	Ethics in Information Technology	Using an HTML Editor	Introduction to Digital Photo Imaging	Natural Science Elective	
	Year 2 2nd Semester	Direct and Internet Marketing	Survey of College Mathematics	Java Programming	IT and Computer Science Capstone	Arts and Humanities Elective	Technical Elective	
High School Career-Technical Education Program Courses								
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses								
Required Courses								
Recommended Electives								

11/2014

Ohio | Department of Education

Ohio  
MEANS  
Jobs

Ohio | Board of Regents  
University System of Ohio

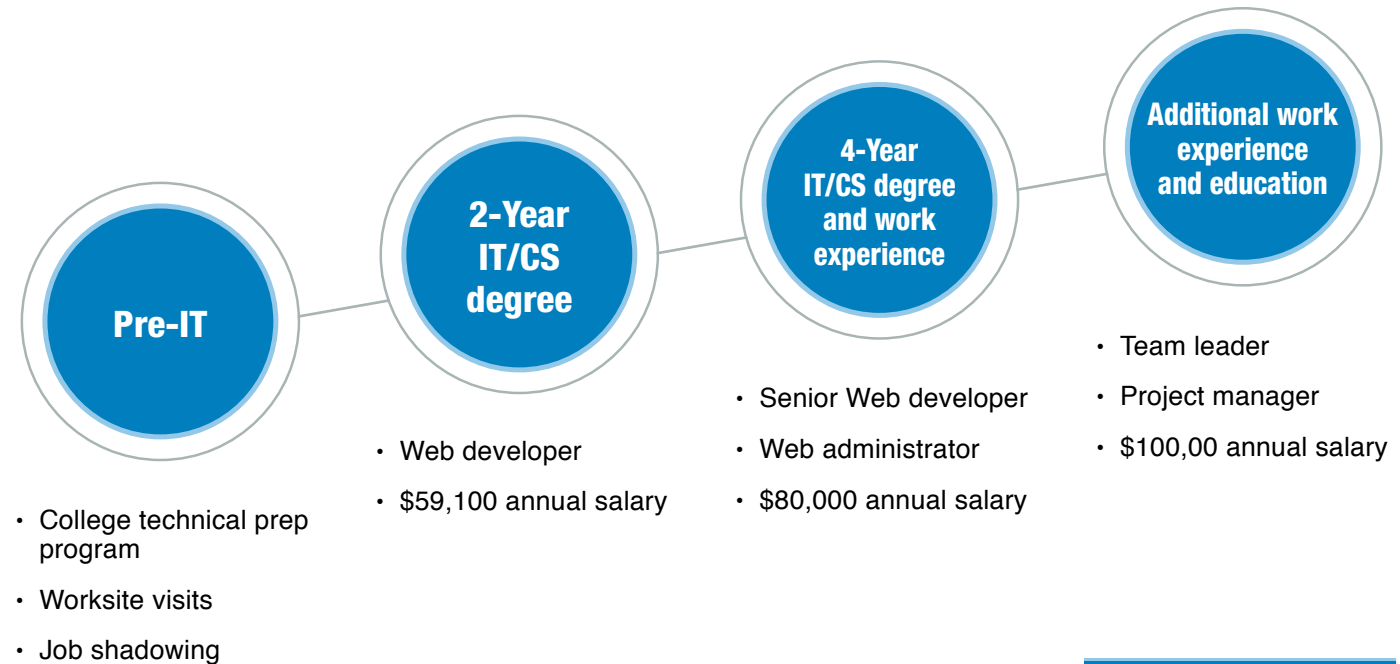
# How can I grow my career?



## Where could I focus or specialize in my career?

- Web content developer
- Web administrator
- Computer systems analyst
- Programmer
- Programmer/analyst
- IT project manager

## The career ladder



### Sources/References:

Ohio Means Jobs, Bureau of Labor Statistics – Occupational Outlook Handbook  
O\*Net Online-Summary Report, Ohio Labor Market Information