



Explore a Career as a **DEVELOPER OR PROGRAMMER**

Target Occupation Profile

What do Developers and Programmers do?

Developers and programmers are involved in all aspects of creating, designing, writing, updating, and testing computer software, applications and websites. Web developers design and create websites. Programmers write and test code that allows computer applications and software programs to function properly. Software developers research, design, develop, and test operations of software for business and consumer applications. In addition, they test newly created applications and programs to ensure expected results are produced. The work of these professionals often overlap as they all play a role in tasks associated with planning software, creating models and flowcharts, writing and debugging code, and designing an application or systems interface.

Developers and Programmers are in demand in Cook County!

Cook County employment of developers and programmers is expected to grow through the year 2020.

Training & Educational Opportunities

You will have plenty of employment opportunities as a developer or programmer, but first you will have to earn a certificate or associate degree, as well as gain experience through an internship. Most large employers prefer those with a bachelor degree and some small employers will hire those with vast experience and no certifications or degree. Developers and programmers who work in specific fields, such as healthcare or accounting, may take classes to specialize in that field to supplement their degree in computer programming.

As a Developer or Programmer you will:

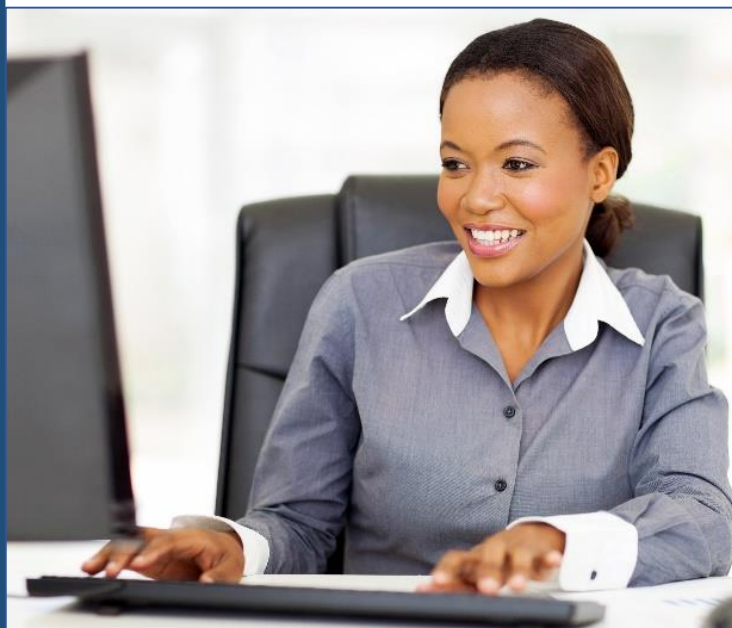
- Analyze existing systems
- Design each piece of an application or program to plan how the pieces will work together
- Meet with clients or management to discuss the needs of a website or software application
- Update and expand existing programs
- Work with code libraries and/or designers
- Write and test code and applications in an integrated development environment (IDE)

Developer or Programmer

Training Providers

There are many training providers available in Cook County to supply you with the training you need for a career as a developer or programmer.

To access a list of training providers for these occupations and many more, please visit Illinoisworknet.com and select the 'Training and Credentials' menu option to view 'WIOA Approved Training Programs.'



Types of Employers

There are many different types of companies that employ developers and programmers in Cook County, including:

- Consulting companies
- Financial companies
- Healthcare companies
- Technology companies
- Universities

Wages & Openings

Developer and Programmer Employment Data for Cook County	
Average Starting Hourly Wage	\$23.45
Average Hourly Wage With Experience	\$43.67
Average Annual Job Openings Cook County	1,190
Average Annual Job Openings Chicago Metro	1,446

*Source: Emsi, 2017.2

Opportunities

After earning your certificate or degree as a developer or programmer, you will have many opportunities for advancement. Some opportunities include:

- Computer and Information Systems Manager
- Computer Hardware Engineer
- Computer Network Architect
- Computer Systems Analyst



Chicago Cook Workforce Partnership
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