Programmer

Performed work:

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Programmer

- A programmer is a specialist who creates the source code for a program. This program can be a computer operating system, video game, web or mobile application, and even the algorithm of the microwave. The program code is written in a special programming language. It consists of ordinary words and some special characters. Today there are several hundred programming languages, but the most common ones are Java, Python, PHP, C#, JavaScript, C, C++, Objective-C, Swift. What programming language to choose, the programmer decides himself depending on the specific task (to make a game, an application for the web or a program for the server) and his own knowledge. A qualified programmer confidently uses 2-4 languages.

The pros of the profession programmer

- High wages. The average salary of a highly qualified programmer is 70-100 thousand rubles.
Being in demand. The labor market for programmers is growing due to the digitalization of all spheres of public life. Online education, telemedicine, the Internet of things, even agriculture is not complete now without IT specialists.
Interesting tasks and scope for creativity. What does a programmer do at work? Writes code, tests, checks for vulnerabilities, rewrites code. However, the end result of coding is a working program with different goals. Some programmers create games. Others program robots. Still others make a useful application for Android. The fourth create an aggregator that will collect all the tickets of the world's airlines in one service for booking tickets. Diverse, isn't it? And when the product starts to work properly, the programmer feels joy, like the character Papa Carlo, who whittled a live boy out of a wooden log.

Minuses

- Sedentary lifestyle. Without physical exertion in off-hours programmer risks greater part of salaries spend on doctors. Especially suffer vision and musculoskeletal system.
Rapid obsolescence of knowledge. The programmer needs to constantly learn. Programming is developing rapidly, so the programmer must read specialized magazines and Internet resources, get new knowledge and certificates at the courses. Otherwise, his value as a specialist in the labor market will fall.

Specialization of programmers

- By specialization, programmers are divided into system, application and web programmers. Application programmers are engaged in writing various programs and applications: games (for example, the popular game Angry birds), office applications (for example, Microsoft Office Word) and much more. System programmers are engaged in the creation of operating systems (for example, Android or iOS). Web programmers develop Internet sites and programs that support the operation of these sites.

Thank you for attention!