PROFESSION OF PROGRAMMER: REQUIREMENTS OF THE MODERN LABOR MARKET

Ivan Zahorui

Educational-Scientific Institute of Information Technologies,

State University of Information and Communication Technologies

The market for computer technology and gadgets is developing rapidly, and more and more people want to try their hand at IT. Programmer is one of the most sought-after professions – the job is considered prestigious and highly paid.

I've always liked everything related to computers, phones and other gadgets, and so when I was a child, I decided that I wanted to pursue a profession related to my interests. After entering the university, I wanted to acquire the skills to achieve my goals. In the first days of my studies at the university, I learnt more about the IT industry and its areas.

A programmer is a specialist who creates codes for software using a special language. This includes developing software for computers, mobile phones, tablets, and corporate information systems. The specialists are divided into two categories: application and system programmers.

Application programmers write applications, games, create messengers, video surveillance systems, and much more. Their responsibilities also include adapting programs to the needs of an organization or user. The category of application specialists includes Web and 1C programmers, Android developers, game developers (GameDev), and generalists (Full Stack developers).

System programmers create entire systems – they write code for hardware (Android for smartphones). This category of specialists is considered to be more in demand.

There are also specialists whose task is to develop software in various programming languages. It should be noted that employees of all categories who successfully cope with their tasks are in great demand in the labour market. Programmers work not only in IT companies, but also in banks, factories, and

research centres (Професія програміст, 2022).

In general, I like games, but I decided that in the future I want to create websites. Nowadays, website development is one of the most relevant technical areas of IT. In my opinion, the work of a Frontend developer is quite versatile, because you need not only to understand how to write code, but also to imagine the design and architecture of websites. I like website development because you can immediately see the result and add cool features to your sites.

There are many advantages to working as a programmer:

• high pay (even the average salary of a programmer is much higher than the average for the country as a whole);

• globalization of the profession (many programmers work remotely for different companies around the world);

• creativity in the profession (using your own ideas to create a product);

• free work schedule (many programmers work when it is convenient for them);

• career growth (good specialists head state-owned companies or start their own businesses);

• profession of the future (demand for programmers is constantly growing) (Плюси професії програміст, 2022).

The profession of a programmer, like any other, has its drawbacks: constant self-improvement; knowledge of English language and terminology; high competition; deterioration of health due to constant work with a computer.

To become a good programmer, you need to have a technical mindset, be prepared for stress, picky customers, and irregular working hours.

In my opinion, to develop websites, you need to know HTML, which is a web markup language, CSS, which is a cascading style sheet, and JavaScript, which is the main programming language for the Frontend. In addition, that is not all. It is important to know at least one of the three frameworks: Angular.js, React.js, Ember.js. They are the ones used by most web studios.

Thus, it is impossible to imagine the modern world without information

technology (IT). From smartphones in our pockets to self-driving cars, IT permeates all aspects of our lives. This dynamic and fast-growing field offers countless opportunities for those who want to build a successful career.

Overall, the impact of IT on society is hard to overestimate. It has revolutionized communications, improved healthcare and education, increased business efficiency and created new forms of entertainment. IT professionals (programmers and engineers, system administrators and data analysts, and many others) play a key role in developing and maintaining these technologies, making their professional activities incredibly important for Ukraine's modern economy.

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