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## **RAPID DEVELOPMENT OF THE WEB ENVIRONMENT**

It is noticeable that we are observing the rapid development in technologies' scope which is an integral part of modern society. The main feature of the process of technology emergence is its continuity. Technology helps to keep in touch with people who are on another continent. Is this the best-invented thing in the world? Could our ancient ancestors have imagined such a possibility?

But we must admit that our society now depends entirely on technology and the lack of it deprives people of many opportunities. Therefore, every day our information world reaches an increasingly sophisticated flexibility [1].

There is no doubt that without the creation of the Internet, our world would look completely different and progress would stop for more than a century. Everyone knows that the Internet plays an important role in research and development. For instance, both the existence of small businesses and the scientific and research work of many universities are connected with the Internet. The availability of the Internet allows people to demonstrate their ideas and thoughts. Today one page of the site is enough for the world to see your invention. Kickstarter is a great example of this.

Speaking about the web environment we all need to know what it means. It is a fully developed website (or a set of programs) with all the features necessary to provide users with. Most programmers know that there are two types of web development: front-end and back-end [2].

Figuratively speaking, we can compare back-end development with all the stuffing of a car hidden from the user: systems — fuel and cooling, an engine, transmission, ventilation and air conditioning. And everything that the user sees and operates: on-board system settings, 2-3 pedals, a steering wheel, a beautiful body and an interior — that is the front-end part.

The first one is also called client-side development, which gives the opportunity of viewing and interacting. Its main purpose is to ensure that the user who opens the site can see the information in an easy-to-read format. The problem is that today users have devices with different screen sizes, which makes the developer understand all aspects of modern devices when creating a site. Namely, they need to develop a project and be sure that the page opens correctly in different environments, operating systems and devices. Because of these factors front-end development becomes more difficult. It should be mentioned that several tools help to develop the site. The most used one is HTML which is a markup language that creates web pages by using tags, then CSS which is a style sheet language intended on describing the appearance of HTML file and JavaScript which is one of the most popular languages aimed at introducing interactivity into your website. As you can see, there are three programming languages without which the web designer cannot create a regular page. Specialists in this field are often called artists and designers because they also turn white canvas into eye-catching beauty.

The second type is called server-side development where the focus is on how the site works. Such solution enables to create responsive sites that work much faster than

standard request-response sites. The developer in the field works with databases, servers and applications. Most people think of a back-end developer when talking about a web developer. The main task for this type of development is constant or occasional change of content. It is used in social networks such as Telegram, Facebook and Twitter. The back-end developers know the languages mentioned above. They also have to use such languages as Java, PHP or Python to have their work done. It should be noted that Java and JavaScript are not the same languages. Java specializes in the development of videogames, applications for Android and iOS, web applications, etc. Many of the world's leading companies use a team of programmers working on the database. They are like petite gears. No one thinks about their significance but without them the website would not work.

In conclusion, if you look at the statistics of 2021, three of the most popular programming languages are Python, JavaScript and C/C++[3]. Therefore, web development will continue to be in demand. The power of the web is in the openness of its standards. And to develop under the web you need to understand it and to feel its philosophy. The developers should take more responsibility for the decisions they make and the approaches they take. Alan Kay said, "There is no better way to predict the future than to create it." The world is on the path to even greater progress, and the World Wide Web will promote the development.

## **REFERENCES**

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