



MOBILUNITY

Ukrainian Development
Western Management
Global Delivery

Predictions of Web Developers Salaries *for 2019 and 2020*

Finding the proper developer for the project has never been an easy task. And there is no modern business that would not ask themselves how much does it cost to hire a programmer and whether there is any way to save money without compromising the quality. Let's take a closer look at this study and do some simple math.

JavaScript

In 2017 the US experts who work with JS were over 4 times more expensive than Ukrainian developers, with salaries average salaries around 6K. These numbers tend to drop a bit in 2018, leaving us with 3:1 ratio between the salary of average US programmer and Ukrainian specialist. If talking about single-technology specialist (like React.js, Node.js, Angular.js developers) they were even more reasonable in terms of price (leaving US specialists 5 to 6 times more expensive).

PHP

PHP is one of the most wide-spread backend programming languages with a versatile area of practical application, meaning constant need of specialists. Developers from Ukraine have proved to be experts in the field offering high-quality services for 4 times smaller price compared to their colleagues from the USA or 3 times less compared to UK developers. While these numbers are most likely going to change in 2020, Ukraine will probably offer the most affordable and professional help.

Java

Being a backbone technology of numerous enterprise solutions, Java requires skilled and trained professionals. In 2017 the average cost of Java developer was \$1800, which is 3.4 less than the average salary in the US, and these numbers grew apart even more in 2018 reaching average 3.6 times difference.

C#/.net

Two primary languages of almighty Microsoft, these technologies represent the corporate sector and desktop applications development. With an average 1:3.38 ratio compared to US developers and 1:2.65 compared to UK developers salaries, developers from Ukraine are winning the race.

CSS/HTML

Ukrainian web developers successfully represent the market, offering their services at more than 10 times lower rates comparing to specialists in the US, and almost 8.5 times less than developers from United Kingdom (based on the data from 2017). And looking at 2018-2020 data, these rates aren't going to drop.

Python

Data processing, machine learning, and web application are commonly represented by the use of Python. In terms of web application development Ukraine can be proud of having numerous experts with both knowledge and experience, sufficient to complete even the most complicated tasks. An average Python developer can be hired for 3.5 times smaller salary than a programmer with the same experience who lives in the USA.

Ruby

Being a general-purpose language, the products of Ruby development are commonly represented by the system and administration tools, as well as website development (particularly Ruby on Rails). Developers in Ukraine offer their services at a starting price of \$1400, whereas US programmers request an average salary of \$4900 and their British colleagues demand median \$8300.

C

Now used in high-performing applications (i.e. RDBMS), microcontrollers and OS, C developers in Ukraine can be hired for 4.5 times less in comparison to their US comrades. However, it seems to be hard to predict the level of compensation for this language.

Objective-C

Before the introduction of Swift, Objective-C was a primary language of IOS and Mac Os. In Ukraine, an Objective-C developer could be hired for \$1820 that is more than 4 times cheaper than the US programmer (based on 2017 rates).

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C++

Game development engines and QT are based on C++, where a typical Ukrainian developer can be hired for almost three times less than a regular developer in the United States.

Go

New and trending, potentially threatening C language, that is used for both back-end and system tools. In Ukraine, an average GO developer is paid \$2500 that is 4 times less than a programmer in the US.

Perl

One of the languages that is used in text processors, Perl developers are paid around \$9200 in the US and \$5300 in Switzerland, whereas Ukrainian dev can be hired for \$1300.

Scala

Mainly utilized in big data, Scala is represented by a world-wide pool of developers from various countries. In Ukraine, a Junior developer can be hired for \$2500, whereas in the US this sum will be multiplied by 2.5 and by 4 for the developer from Switzerland.

SQL

Developers that work with this language have a specific skill set and knowledge base. While the salary ratio has dropped from 4.3:1 to 4:1, the actual compensation for the developers' services has actually decreased.

R

A lot of data processing is handled by R. In order to hire R developer, a company can count on a starting salary of \$2300 in Ukraine and 3 times more if the specialist is hired in the US.

Shell

Big and might language that is used in Linux depends on the developers with proper knowledge and expertise. In Ukraine, such developer can be hired for 2.7 less compensation rate than in the US.

Typescript

Typescript developers in Ukraine can be hired for 3 times less than their fellow colleagues in the US and 2.3 times cheaper than UK programmers.

Android

Being one of the most widespread mobile OS, there is the constant need for such specialists. If hired via outstaffing, an hourly rate for the Android developer would start at approximate \$7.5-8, whereas Android freelance hourly rate starts at \$15-40.

IOS/Swift

Generally, Swift developer is a tough subject for discussion, as one needs to fit the requirements of the particular project. Generally, US and UK rates are 2 to 3 times higher than IOS developers Ukraine can offer.

Cordova

Hybrid web applications quite often use Cordova, and the number of such app developers in Ukraine can be hired for \$2300 for a Junior specialist.

WordPress

Representing one of the biggest platforms that host millions of websites and blogs, Ukraine offers specialists with a starting price of \$250 dollars in 2018.

Magento

Representing enterprise e-commerce sector, Magento PHP developer salaries in 2018 represent the significant difference between US and Ukrainian job market hitting the 10 times difference mark with approximate salaries of 13K and 1.2K compensations respectfully. script developers in Ukraine can be hired for 3 times less than their fellow colleagues in the US and 2.3 times cheaper than UK programmers.

Odoo

While being not that popular, this complex offers a wide variety of services. In Ukraine, an Odoo specialist in 2018 is paid around \$3000, which is twice less than a developer with similar expertise from Britain.

Salesforce

One of the biggest CRM-systems that represents the corporate and enterprise sector, has representatives in Ukraine as well. Developers were hired at a starting salary of \$2300 in 2017, and \$3020 in 2018, which is 3 and 1.8 times less respectively (compared to the developers from the United States).

Being one of the countries that provide worldwide outsourcing and outstaffing services, Ukraine still keeps the rates reasonable for both client and developers. It means that you can find an expert with proper qualification, experience and knowledge with 2 to 5 times smaller salary. Seems like a great deal, don't you think?

Research on Technology Salaries

Per year	2015			2016			2017				2018			2020			
	Ukraine	UK	USA	Ukraine	UK	USA	Ukraine	Switzerland	Israel	UK	USA	Ukraine	UK	USA	Ukraine	UK	USA
Frontend developer	--	4450	--	--	4503	4924	1900	6409	3242	3104	5738	--	2139	6686	--	1548	--
Backend developer	--	--	7500	--	4597	8300	1000	2945	6250	5297	5758	--	6103	3994	--	--	3237
Full Stack developer	--	5297	7583	--	5032	7833	1500	11346	6065	5297	6221	--	5575	4940	--	5590	4123
JavaScript developer	1800	4767	7750	1500	5032	10000	1600	6400	4121	5032	6770	1706	5032	4583	1540	5315	4434
- React.js	1784	5562	--	1642	5827	8129	1000	6237	5000	5562	6856	609	5309	5782	356	5320	--
- Node.js	1784	5562	--	1642	6357	7916	1000	7154	5000	5827	6047	609	5341	4619	356	5664	--
- Angular.js	1784	4767	5116	1642	5297	5833	1000	6312	3000	5032	6168	609	4780	6522	356	5077	7874
PHP developer	1700	3973	7500	1300	3973	8000	1300	5050	4367	3973	5255	1300	3973	3451	1012	3973	2563
Java developer	2000	5297	6000	1750	5827	5800	1800	7490	4609	5827	6084	1851	5827	6381	1677	6424	6482
C#/.net developer	2000	4238	4600	1600	4238	6250	1700	6780	5819	4503	5748	1806	4784	5286	1566	5088	6860
CSS/HTML developer	500	4238	5500	500	4238	5576	500	6575	2860	4238	6455	500	4238	7472	500	4238	8808
Python developer	1650	5827	8300	1700	5827	8300	1750	7568	6063	5827	7241	1801	5827	6317	1910	5827	5536
Ruby developer	1700	5023	7250	1800	6092	7083	1600	10100	5250	7151	5903	1422	8394	4919	1348	11953	4030
C developer	1900	--	--	2000	--	--	1800	7091	5723	3243	8333	1620	--	--	1544	--	--
Objective-C developer	1700	5297	--	1700	5562	--	1820	9258	4367	5032	8010	1948	4552	--	2088	4348	--
C++ developer	1700	5562	--	2000	5562	--	2000	7824	6308	5297	5925	2000	5044	--	2368	4807	--
Go developer	--	6357	--	--	6887	--	--	--	--	6622	10247	--	6367	--	--	6656	--
Perl developer	2500	5032	6666	1000	5032	6666	1300	5883	3037	5297	9293	1690	5575	12955	1221	5873	18563
Scala developer	2200	6887	6250	2600	6887	6250	2500	7154	--	7151	8522	2403	7425	11619	2760	7712	16227
SQL developer	1500	4503	7083	1660	4767	7500	1500	6498	3037	4767	6454	1355	4767	5553	1369	5050	5115
R developer	1713	5827	--	1779	5547	--	2318	10371	--	6092	6316	3020	6690	--	4139	7030	--
Shell developer	1713	--	--	1779	--	--	2318	--	--	5185	6250	3020	--	--	4139	--	--
Typescript developer	1713	5297	--	1779	5562	--	2318	15000	--	5297	7940	3020	5044	--	4139	5056	--
Android developer	1500	5297	10000	1300	5827	12000	1200	6112	4485	5297	6752	1107	4815	3799	887	4859	2950
iOS/Swift developer	1500	5032	7500	1600	5562	8333	1700	6438	4259	5297	6779	1806	5044	5514	2047	5339	5106
Cordova developer	--	3973	--	--	5827	--	2318	--	--	4238	7500	--	3082	--	--	3709	--
WordPress developer	1713	3708	--	1779	3443	--	600	--	--	2791	4684	202	2262	--	95	1710	--
Magento developer	1713	3708	--	1779	3793	4600	1500	7785	2000	4238	7807	1264	4735	13249	1119	5422	--
Odoo developer	1713	4926	--	1779	5032	--	2318	--	--	5513	6350	3020	6039	--	4139	6768	--
Salesforce developer	1713	6357	8333	1779	6357	8700	2318	7358	9444	6887	6904	3020	7461	5478	4139	8096	4625

All references are available in the PDF file