

DEVELOPMENT OF IT SPHERE IN UKRAINE

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Анотація

Розглядається розвиток ІТ індустрії в Україні.

Ключові слова: ІТ, Україна, розвиток, технології.

Abstract

The development of the IT industry in Ukraine is considered.

Keywords: IT, Ukraine, development, technologies.

Introduction

IT sector in Ukraine has been developing from scratches, facing all problems and adapting, resulting to be one of the biggest exporters of one in Europe. More and more Ukrainian students want to work in IT. Number of programs made by “Computer Science” and “Software Engineering” students has reached more than 80 thousand in 2021.^[1] Ukrainian export in IT services took third place in terms of revenue even after the tripled collapse of export.^[2]

Research results

Development of Ukrainian IT industry started from 90s, when people were making start-ups and not expecting much from alliances. Country was filled with outsource-based IT companies, such as corporation branches and native teams that were contributing to Ukraine IT development. Branches as well were showing the example of business cooperation with universities. It led to beginnings of professional education used further in global market relationships.^[3] Improving skills then was “learning by doing”, so despite small amount of people that knew enough, low cost was one of reasons why outsource clients were using their services. Readiness of Ukrainian people to take responsibility and big ambitions helped them get through and make companies like N-iX. After that period native Ukrainian companies raised being oriented on local market and eventually mixed with international ones. Even so, internet was empty, so making a page and knowing 1C was enough.^[4]

In a more recent past, in 2019 Ukraine took 8th place in IT ranking of countries by tech skills that was measured by tests.^[5] In 2020 IT industry export grew by 20.4 percent crossing \$5 billion according to data from the National Bank of Ukraine. Over the years Ukraine’s leading companies have expanded from the basics of software development to higher value work like systems architecture, business analysis and experience design. In 2021 Ukrainian IT branch represents its voice at the state and international levels that might led to interest in opening one's own offices. Fast development revolutions in IT led to lack of professionals, slowed down businesses and increased pay for professionals encouraging young to become a part of its community.^[3] IT being the key Ukraine industry means that when it’ll equalize with other ones there will be outflow of professionals. With raising of Ukrainian professionals qualification, Ukraine got out from low cost services and achieved trust of foreign companies.^[4] After starting a war annual growth of IT sector in 2022 was between 25-30%. Almost 45% of outsource companies were in IT sector then.^[6]

IT sector was mostly ready to war, salaries increased due to redirection to outsource, some of people were relocated by companies carrying tours out like GlobalLogic, as such was done by Ni-X. During war critical infrastructure was attacked leading to problems with water and power supply of workers, estimated 3% of them were in armed forces. The IT export growth slowed to 13% as Kostiantyn Vasyuk marked.^[7]

Conclusions

Nowadays, as one Ukrainian university has implemented such modern technology as AI building specialized laboratory^[8], Ministry of Digital Transformation of Ukraine started practical course on mastering blockchain and crypto-literacy^[9], and UAE wants to sign an agreement on economic partnership.^[10] Because of pandemic Ukrainian software developers should strengthen, e.g., IT's security, cloud systems, programmers' property rights, increased priority of IT in educational system, investment and simpler taxation support of government.^[11]

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