There are many reasons you should work in the tech industry. This is one of the most active and growing industries on the planet, offering high-quality income and showing strong growth. First of all, technology, at least right now, is the pinnacle of re-search, development, and creative thought in the country, if not the world. Technology involves important careers that improve people’s lives and create valuable, useful solutions to real-world problems. Technology is integral in nearly every industry in the country, including agriculture, transportation, journalism, entertainment, real estate, and manufacturing. This allows people with a tech background to work in nearly any geographical area, any field, and any industry.

How can you be certain if one of the many promising jobs in tech is right for you? No matter what the position, working with technology involves finding creative solutions that are both usable and visually attractive. You should also enjoy problem solving. A desire to learn is also vital, especially if you want to land one of the best paying tech jobs in the industry. You need to be fully committed to constant training through classes, certifications, seminars, and industry information. If the thought of spending hours, often full work weeks, in front of a computer sounds unbearable, then a technology career may not be right for you. So how can you find your job out of all technology careers? It will be easier for you to find a job if you have a bachelor's degree and also have a certificate from technology organizations. If you have an education, training, or experience in information technology, you may be able to enjoy the independence and earning potential of self-employment. This path, which offers greater freedom and the chance to be your own boss, is certainly not an easy trail. Also there are many technology experts who are freelancers.

As companies scramble to adapt to a tight IT job market, they’re doing whatever they can to attract top tech talent. Among them are the following vacancies: Security professional, Cloud architect, Database administrator, Programmer analyst, Systems analyst, Mobile applications developer, Network administrator, Software developer, DevOps engineer, Help desk and desktop support professionals.

**Security professionals** ensure that enterprise IT initiatives remain safe from potential threats inside and outside the organization. Also they are ensuring the business’s hardware, software, and networks remain secure. These professionals must can communicate and implement security policies and procedures, manage security audits, threats, and vulnerabilities, have experience with security systems and documenting failures and other incidents, have knowledge of compliance laws and regulations for the industry.

**Cloud architects** oversee the company’s cloud computing strategy and are responsible for deploying, managing, and supporting cloud applications. They typically have a strong understanding of multiple operating systems in addition to networking, programming, and security skills. Also they must have knowledge of state-of-the-art cloud technologies and architectural principles, experience with scaling cloud applications, understanding of cost, performance, and architecture of cloud systems, collaboration and communication skills.

**A database administrator (DBA)** is responsible for maintaining the software used to manage a database and ensuring the data is easily accessible to those who need it. They must can not only monitor your servers, but they will also be able to optimize performance and can be on call in case of emergency. Skills and experience for these professionals: bachelor’s degree in CS, background in IT work or database administration, Oracle, Linux, and SQL skills, data analysis and management and reporting skills.

**A programmer analyst** is responsible for designing, coding, and testing new programs along with providing detailed documentation of the process using flowcharts and diagrams. They designing programs, handle debugging and troubleshooting information systems. Skills and experience for these professionals: bachelor’s degree in CS, experience in programming, knowledge of programming languages such as Java, Java Script, C, C++, and .NET, communication and interpersonal skills to work with departments and vendors.

**Systems analysts** design techniques to help solve business problems by analyzing IT systems in the organization. They need to test programs and databases to make sure they’re working efficiently, and they also need to run security audits and create and maintain documentation on systems in the organization. Skills and experience for these professionals: bachelor’s degree in CS, analytical and problem-solving skills, data analysis and programming skills, experience with business and technical analysis as well as project management.

**Software developers** are responsible for designing, developing, in-stalling, testing, and maintaining software systems. They must can work with coding, designing, know programming languages such as C#, C++, HTML, Java, Microsoft .NET, and SQL Server. Also they must have analytical and technical skills, communication skills, bachelor’s degree in CS.

**Mobile applications developer** must have knowledge of the various mobile platforms and how to develop applications that will work on different operating systems. Skills and experience for these professionals: bachelor’s degree in CS, analytical and problem-solving skills, some experience in mobile development, knowledge of iOS, Android, Objective C, HTML, XML, JavaScript.

**Network administrators** are responsible for handling LAN/WAN protocol, software, and hardware. Skills and experience for these professionals: troubleshooting and communication skills, analytic and diagnostic skills, a willingness to be on call after hours, professional certifications.

**DevOps engineer** oversee coding, scripting, and processes development, software testing, performance after release, simplify coding updates. Skills and experience for these professionals: coding and scripting skills, automation, data management, and IT operations skills, communication skills.

**Help desk and desktop support professionals** must to have the right technical and soft skills for the job. They are divided into several categories depending on experience.

In the past several years Belarus has earned the reputation of the leading “IT country” in the Eastern European region. Three Belarusian companies entered the top-100 of the largest world companies in this sphere: EPAM Systems, IBA Group and Intetics Co. Software development has existed in the country since 1998. The key “point of reference” from which the development of the IT sphere in Belarus began is the High-Tech Park. Today Belarusian companies working within the HTP, differ by the progressive management and the effectiveness of marketing decisions. Today 49% of HTP residents are companies with Belarusian capital and 51% – with foreign capital. 80% of the software produced in the Park is exported. Belarus is a leader in Central and Eastern Europe in the export volume of computer and information services per capita.

Significant amounts of money can be profitably invested in the projects of the IT-sphere of Belarus. Major foreign investors in the Belarusian IT-sphere are companies from USA, Great Britain, Israel, Germany and Russia. The number of companies in Belarus, producing intelligent products which are in demand around the world, is growing rapidly. The massively multiplayer online game World of Tanks, developed by the Belarusian studio Wargam-ing.net, has set a record. This game managed to gather together the greatest number of players in history on the same server – more than 90,000 people. Also among the Belarusian game developers the company Viaden Media is also highlighted.

The main ad-vantages of Belarusian programmers are: the company allocates the capacity to think and act not by the book, but to find non-trivial solutions.

EPAM Systems is one of the key-players of the Belarusian IT-industry. This company provides complex software engineering solutions.

Generally speaking, the history of information technology in Belarus goes back decades. Strong educational traditions in mathematics engineering and software were established in the country back in the Soviet times. It is no secret that many Belarusians work in big tech companies all over the world. Belarus, the HTP and its resident companies rank high on the global and regional rankings assessing the IT achievements. Belarus is one of the world’s major exporters of IT services per capita. Belarusian IT companies sell mostly internationally. Six HTP resident companies were included in the list of the best outsourcing service providers: Bell Integrator, Ciklum, EPAM, IBA Group, Intetics and Itransition. Companies of the HTP developed mobile applications such as Viber, MSQRD, MAPS.ME, Flo and many others.

Developed by Wargaming World of Tanks is one of the five most profitable MMO games in the world. Belarus is one of very few countries that develop supercomputers.

Belarus has set out to develop the IT industry and to promote digital transformation of the economy.

Thus, we can conclude that IT sphere is developing very well in Belarus.