

TOP 10 IN-DEMAND IT SKILLS FOR 2022

Here are 10 of the most important, in-demand IT skills and areas you'll need to master in order to meet and exceed the job skill demands of 2022 and beyond. With upgraded skills in any of these ten areas, you'll have resume ready credentials that will increase your value — and set you apart from the competition.



1. CYBERSECURITY



Cybersecurity is more important than ever before because of the many ways companies rely on IT and the internet. Important data and sensitive information are typically stored digitally, and it is essential to protect them as much as possible. Businesses that endure security breaches often lose clients as a result, and their reputation is tarnished indefinitely. This is why it is so crucial to work on perfecting your cybersecurity skills to put yourself in high demand from companies all over the world.

ExitCertified provides a number of certifications and training courses that can help you gain greater experience in cyber and online security, such as [Google Cloud Security Engineer](#) and [IBM Security Analyst](#).

2. CLOUD-NATIVE

Cloud-native is a methodology of building and running applications that offer on-demand limitless computing power on public or private clouds. Cloud-native platforms automate infrastructure provisioning and configuration, and allocate resources based on the needs of the application.

Businesses are going to be using the cloud whenever and however they can, so the more you can master this area, the better your employment prospects will be. ExitCertified offers a [Google Certified Professional Cloud Architect](#) course to help you get started.



3. DATA FABRIC



Data resides in so many places throughout organizations they don't know where it is or what to do with it. It's often siloed, stored in databases, data stores, applications at the network edge, remote offices, data centers on premises or somewhere in-between in multiple clouds.

A data fabric provides a unified consistent, optimized view of packaged data, in real-time, wherever it might reside. Working with a data fabric, IT engineers oversee the capture, cataloging, management and delivery system of an organization's data so consumers receive the data they need. IT engineers are in charge of creating how data gets onboarded, sanitized, labeled, and incorporated for consumption, and create the rules and organizing principles for distributing the data.

4. AI ENGINEERING

Artificial Intelligence (AI) engineering is an emergent discipline focused on developing tools, systems, and processes to mimic human behavior and enable the application of artificial intelligence in real-world contexts.

AI engineers build AI models using Machine Learning algorithms and Deep Neural Networks to draw business insights that can be used to make decisions that affect the entire organization. As well as having the ability to develop and maintain AI systems, AI engineers must have a deep understanding of programming, software engineering and data science engineering. AI engineering covers the entire chain of data from sensing data that has been input, collecting the data to storing it. So the data can be used, AI engineers need to compute, filter and cleanse the data, and identify patterns and train a Machine Learning algorithm to make predictions based on the data to make data-driven decisions in a more automated way.



5. HELPDESK



Tech support and helpdesk services have never been more important. The whole framework of modern brands is built upon digital platforms, and this means there is a need to help ensure that these digital networks are as fully operational as possible, at all times. Helpdesk and tech support roles have traditionally been outsourced, but it has become more necessary to bring helpdesk experts in house for many modern businesses to ensure there are fewer operational problems. Think about how much is at stake if a company's network goes down for even just a few hours. This scenario is detrimental to the business of many modern brands, which is why helpdesk skills are well worth mastering.

6. PRIVACY ENHANCING COMPUTATION

Privacy-enhancing computation (PEC) is a group of various technologies that help organizations provide the highest level of private data protection while maintaining privacy or secrecy online common data-at-rest security measures. With privacy regulations gaining traction around the world, both small and large businesses need to protect data in use.

According to Gartner, by 2025, 50% of large organizations will implement privacy-enhancing computation to process customer data. The amount of data generated and processed every day is enormous as more and more data points are collected like credit card data, names, addresses, age, income, and products ordered. PEC technologies can structure, manage and protect the data using a variety of methods.



7. PROJECT MANAGEMENT



Project management and planning have always played a key role in the modern business world, and the necessity and demand for these skills will only continue growing. Project managers must possess certain IT skills to successfully communicate and execute project requirements and strategies. Take a [project management training](#) course to build up your skillset and enhance your position as a major asset for modern businesses.

8. IT ARCHITECTURE STRATEGIES

Companies are finding that they need to align the different parts of their business and work on smooth integration, which means systems and enterprise architecture strategies will be very important in 2020. IT architecture professionals will ensure that programs align with one another and that the company is well placed to thrive in the modern business landscape amid various tech developments.

A lack of [IT architecture](#) planning can cause outdated frameworks to bring down the business, and day-to-day operations suffer as a result. To help alleviate this, ExitCertified offers IT architecture courses that cover important systems, such as [Microsoft Azure Solutions Architect Expert](#) and [Red Hat Certified Architect \(RHCA\)](#).



9. BLOCKCHAIN



Blockchain is more recent phenomenon and has come to global attention due to the growth and evolution of the cryptocurrency market. But the truth is that blockchain technology is about so much more than this, and it is becoming an important technology across business and finance sectors. There has been a lot of investment in blockchain over the last few years, which equates to a [higher demand for job candidates](#) with this particular skillset. Make sure to consider [blockchain training courses](#) to enhance your expertise in this important field.

10. MOBILE DEVELOPMENT

Smartphones have become an inescapable part of the modern business world, which is why Android and iOS app developers are so sought after these days. Companies are looking for scalable options and working to streamline their business for a mobile platform and audience. Mobile-only platforms are set to become much more mainstream, which means the need for mobile developers will only increase.



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