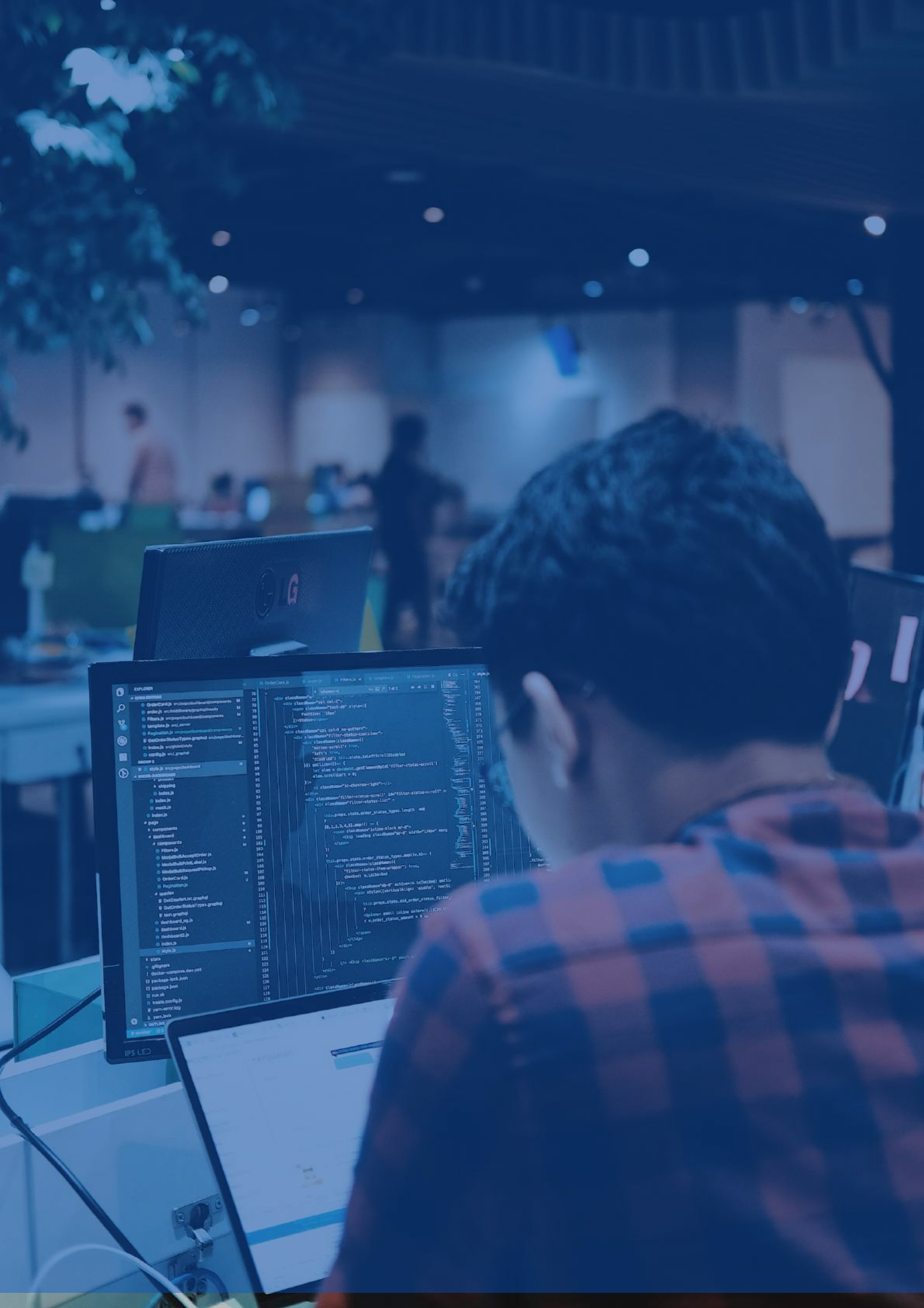


Top 10 Digital skills in 2023

The Most In-Demand Digital Skills for 2023





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Executive Summary

The digital age has brought about a rapid transformation in the way we work and has given rise to a new set of skills that are critical to succeed in the workforce. As part of our research, we conducted a comprehensive analysis to identify the top 10 digital skills that will be in high demand in 2023.

Our research methodology involved reviewing industry reports and analyzing job postings across various platforms. We also conducted surveys and interviews with industry experts to gather their insights and perspectives on the skills that will be essential in the future workforce.

To determine these skills, we conducted an extensive review of industry reports and analyzed job postings across various platforms to understand the skills that are currently in demand and are expected to remain relevant in the future. Based on article references(mentioned in page-11), the top 10 digital skills in 2023 that professionals will need to succeed in the workforce have been identified.

Overall, it is clear that the demand for digital skills will only continue to grow in the coming years. By staying up-to-date with the latest trends and advancements, individuals can position themselves for success in the ever-changing digital landscape.

Introduction

The world is becoming increasingly digital, and the demand for professionals with digital skills is growing rapidly. As technology continues to advance, it is important for individuals to keep up with the latest trends and developments in order to remain competitive in the job market. In this report, we will explore the top 10 digital skills that are expected to be in high demand in 2023.

Digital skills are the abilities, knowledge, and expertise required to operate in a digital environment. These skills are essential for individuals and organizations to be successful in the digital age. The COVID-19 pandemic has accelerated the adoption of digital technology, and it has become clear that digital skills are no longer a nice-to-have but a must-have. With remote work becoming the new norm, the ability to work remotely and communicate effectively through digital platforms is essential.

By understanding the top digital skills in demand in 2023, professionals can prepare themselves for the jobs of the future and stay ahead of the curve in their respective fields. This report aims to provide a comprehensive guide for individuals and organizations looking to identify and develop the digital skills needed for success in the years ahead.

Each of these skills is critical in its own right, as they address key challenges faced by businesses today. Whether it's enhancing productivity, improving customer experiences, or protecting sensitive data, these skills play a vital role in shaping the future of work.

Overall, the Top 10 Digital Skills in 2023 report is designed to provide insights and guidance to professionals in navigating an ever-evolving digital landscape. Whether you're a recent graduate or a seasoned professional, these skills are essential for success in the years to come.

Top 10 Digital skills in 2023

The Most In-Demand Digital Skills for 2023

1. **Cybersecurity**
2. **Cloud computing**
3. **Data Science**
4. **Software development**
5. **AI / ML**
6. **DevOps**
7. **Blockchain**
8. **Metaverse**
9. **UI/UX Design**
10. **Agile Project Management**

Top 10 Digital skills in 2023

Each of the skills on this list is critical in its own right, as they address key challenges faced by businesses today. By possessing these skills, professionals can not only remain competitive but also drive innovation and growth within their organizations.

1. Cybersecurity

Cybersecurity is the practice of protecting computer systems, networks, and sensitive data from unauthorized access, theft, and damage. In today's digital age, cybersecurity has become increasingly important as the frequency and complexity of cyber attacks have grown. According to a report by MarketWatch, the cybersecurity market size is expected to reach \$173.50 billion in 2023 with an annual growth rate of 10.90% [16]

According study by Burning Glass revealed that the number of cyber security job postings has grown by 94% in just six years, and cyber security jobs now account for 13% of all information technology jobs.[17]

The cybersecurity field is currently experiencing a 43% talent shortage with skills such as application development security, cloud security risk management, threat intelligence, data privacy and security being most in demand2.[18]

The global cybersecurity market was valued at USD 139.77 billion in 2021 and is projected to grow from USD 155.83 billion in 2022 to USD 376.32 billion by 2029, at a CAGR of 13.4% during the forecast period.[19]

2. Cloud computing

Cloud computing refers to the delivery of computing services, including servers, storage, databases, software, and analytics, over the internet, allowing users to access and use these resources as and when required, rather than relying on locally installed infrastructure.

According to a report by Expert Market Research, the global cloud computing market is expected to grow at a CAGR of 15% in the forecast period of 2023-2028 to attain USD 810 billion by 2026.[20]

According to a report by MarketWatch, the Global Cloud Computing market is valued at Multimillion USD 2023 and will reach multimillion USD by the end of 2029, growing at a CAGR of percent during 2023-2029.[21]

Gartner forecasts worldwide public cloud end-user spending to reach nearly \$600 billion in 2023.[22]

3. Data Science

Data science is one of the top 3 digital skills in 2023. Data scientists are one of the most sought-after roles in corporate world today, because organizations, armed with the right talent, can drive more value from its data. The market size for data science services is estimated to grow to \$10.7 billion by 2023.[23]

According to US News and World Report in 2022, data scientist jobs are predicted to experience 36 percent growth between 2021 and 2031. Operations research analyst (or data analyst) jobs are projected to grow 23 percent. Due to the high demand and technical skill set, jobs in data science tend to pay well.[24]

According to a report from McKinsey, there will be a shortage of more than 150,000 people with the skills required to be a data scientist creating a huge demand. The rise in demand for data scientists has made their wages spike.[25]

4. Software development

Software development is the process of designing, creating, testing, and maintaining software programs. It involves using programming languages, development tools, and methodologies to create applications, websites, and other digital products.

According to a report by US News & World Report, software developer is the No. 1 job of 2023¹. The report states that software developers are paid well, are in demand and often work on dynamic teams. Software developers are in demand in nearly every industry, as technology becomes more and more ingrained in every aspect of daily life.^[26]

The number of software developers will most probably go beyond 27.7 million by 2023.^[27] The software development service market size is expected to grow at a CAGR of 14.9% from 2021 to 2028.^[28]

5. AI / ML

Artificial Intelligence (AI) and Machine Learning (ML) have become one of the top digital skills in recent years due to their wide range of applications across various industries. In 2023, AI/ML is expected to be among the top 5 digital skills in demand.

According to a report by LinkedIn, AI & ML Architect is one of the job roles that are expected to see the most demand in 2023.^[29] The machine learning (ML) market size was valued at USD 15.44 billion in 2021 and is expected to grow from USD 21.17 billion in 2022 to USD 209.91 billion by 2029, exhibiting a CAGR of 38.8% during 2022-2029.^[30]

The potential applications of AI and ML are vast and include areas such as natural language processing, computer vision, predictive analytics, and robotics. With the rise of big data and the increasing need for automation, AI and ML are becoming essential skills for organizations looking to stay competitive.

6. DevOps

DevOps is a set of practices that combines software development (Dev) and IT operations (Ops). It aims to emphasize communication, collaboration, integration, automation, and measurement of cooperation between software developers and other IT professionals. DevOps is considered one of the top 6 digital skills in 2023.[31]

The global DevOps market size was valued at USD 3.3 billion in 2020 and is expected to grow at a compound annual growth rate (CAGR) of 19.1% from 2021 to 2028. According to a report by Statista, DevOps skill demand by recruiters is 35.5%.[32]

The demand for DevOps is expected to be driven by several factors, such as lower costs, flexibility, agility, and fast application delivery. In this industry, jobs are expected to grow 15 percent between 2021 and 2031.[33]

7. Blockchain

Blockchain is a digital ledger technology that has been gaining popularity in recent years. It is a decentralized system that allows for secure and transparent transactions without the need for intermediaries.

According to a report by LinkedIn, blockchain is one of the top tech skills for 2023. The demand for blockchain skills in 2023 is also increasing largely for transparency facilitated by blockchain technology.[34]

Another report by MarketsandMarkets estimates that the global blockchain market size will grow from \$3 billion in 2020 to \$39.7 billion by 2025, at a CAGR of 67.3% during the forecast period. The report attributes this growth to the increasing adoption of blockchain technology by various industries, including BFSI, healthcare, and supply chain management.[35]

8. Metaverse

The Metaverse is a term used to describe the shared digital space that is created by the convergence of virtual reality, augmented reality, and other emerging technologies.

According to a recent Citi report, it could generate up to \$13 trillion in value for businesses around the world by 2030.[36]

Forbes named the metaverse one of the top ten trends everybody must be ready for in 2023. Global spending on VR/AR, the metaverse's foundation technologies, is expected to rise from \$12 billion in 2020 to \$72.8 billion in 2024.[37]

The demand for metaverse jobs is increasing rapidly. However, as the metaverse continues to grow in popularity and importance, it is expected that more companies will be looking for people with metaverse skills. It is no surprise that it has been identified as a top digital skill for 2023.

9. UI/UX Design

UI/UX design refers to the process of designing digital interfaces that are visually appealing, user-friendly, and intuitive to use.

According to a report by MarketWatch, The global UI and UX Design Software market size was valued at USD 960.18 million in 2021 and is expected to expand at a CAGR of 22.25Percent during the forecast period, reaching USD 3205.15 million by 2027. The Global UI and UX Design Software market is anticipated to rise at a considerable rate during the forecast period, between 2023 and 2029.[38]

According to a report by CompTIA, there has been a 52% increase in demand for UX professionals over the previous year¹. For example, there were about 261,000 jobs added in October 2022 alone. Despite this being the lowest since December 2020, it's still a 59% increase from the 2019 monthly average of 164,000.[39]

10. Agile Project Management

Agile Project Management is a flexible and iterative approach to project management that prioritizes collaboration, adaptability, and customer satisfaction. It has gained popularity in recent years due to its ability to deliver projects on time and within budget, while also allowing for changes in requirements and scope.

It is one of the top 10 digital skills to have in 2023.[40] The market size for agile development and testing services is expected to exceed USD 30 billion by 2026.[41] According to Forbes, agile project management is one of the top 5 in-demand tech skills for jobs in 2023. This growth is driven by the need for faster and more efficient project delivery, particularly in industries such as IT, healthcare, and construction.[42]

Overall, the demand for Agile Project Management skills is expected to continue to rise in the coming years, making it a valuable skill for professionals across a variety of industries.



Conclusion

In conclusion, the digital landscape is constantly evolving, and it is essential for professionals to keep up with the latest skills and technologies to remain competitive in the job market, and the skills that are in high demand today may not be sufficient for tomorrow. It is important to note that while these skills are expected to be in high demand, it is also essential to continue learning and upskilling to remain competitive in the job market.

The key takeaway from our research is the growing importance of digital skills across various industries. Companies are increasingly relying on technology to drive their businesses, and professionals who possess these skills will be well positioned to take advantage of emerging opportunities. Employers are looking for professionals who are adaptable, innovative, and can keep up with the latest technology trends.

While the top 10 digital skills we have identified are expected to be in high demand, it is important to remember that they are not mutually exclusive. In fact, many of these skills are interconnected, and professionals who can combine them to deliver innovative solutions will be particularly valuable.

Furthermore, it is worth noting that as technology advances, the demand for certain skills may change. Therefore, it is critical for professionals to continuously upskill and stay informed about emerging technologies to remain relevant in the job market.

Overall, the demand for these top 10 digital skills reflects the growing importance of digital transformation in various industries. Digital skills are no longer just nice-to-have but have become essential for success in today's fast-paced and constantly changing work environment. Professionals with these skills will be in high demand and can expect to have lucrative job opportunities in the coming years.

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Thank You