

CAREER ADVICE

Best Tech Jobs 2020: In-Demand IT Jobs



CHAD M. CRABTREE 2 DAYS AGO



It's clear to everyone that the tech industry is booming. That's why now is the perfect time to learn about the best IT jobs in America.

These are the best technology careers because they offer high salaries, promising employment growth, and excellent satisfaction ratings. These tech jobs also offer competitive benefit packages, including health care insurance, retirement plans, and other perks.

The information in this guide comes from a variety of sources, including the Bureau of Labor Statistics, Glassdoor, ZipRecruiter, Indeed, and PayScale.

The 20 Best IT Jobs for the Future

Here is our list of the best tech jobs for 2020, along with job descriptions for each IT job:

1. [Artificial Intelligence \(AI\) / Machine Learning Engineer](#)
2. [Data Scientist](#)
3. [Information Security Analyst](#)
4. [Software Engineer](#)
5. [Computer Research Scientist](#)
6. [Data Analyst](#)

7. IT Manager
8. Database Administrator
9. Web Developer
10. Computer Hardware Engineer
11. Computer Systems Analyst
12. DevOps Engineer
13. Computer Network Architect
14. Java Developer
15. Tech Sales Engineer
16. PHP Developer
17. Python Developer
18. Network and Systems Administrator
19. Mobile Application Developer
20. Web Designer (UI/UX Designer)

1. Artificial Intelligence (AI) / Machine Learning Engineer

- Average Base Salary: \$146,085
- Job Growth, 2015-18: 344%

AI and Machine Learning Engineers are in high demand as the tech industry shifts its focus toward the emerging field of automation. Thus, AI and Machine Learning gigs are among the best tech jobs for the future by most measures. And the projected job growth for AI engineers is frankly staggering. AI Engineers spend their time using big data to train models involved in natural language processing, economic forecasting, and image recognition.

2. Data Scientist

Organizations and businesses are collecting more and more data every day. That's why it's more important than ever to have experts skilled in data science. Data Scientists spend their working hours compiling, cleaning, and presenting data for organizations to make informed decisions. The number of job openings in Data Science is huge and shows no sign of slowing. With this high demand, data scientist is an easy choice for any list of the best technology jobs. And you can move from Further, according to Glassdoor, data science is one of the top careers in terms of job satisfaction ratings.

3. Information Security Analyst

- Median Annual Wage, 2018: \$98,350

- BLS Job Outlook, 2018-28: 32% (much faster than average)

Computers and digital information continue to encompass much in the business world. That's why we need [Information Security Analysts](#). They work on the front lines to protect information systems from cyber threats. Security Analysts are essential for protecting user data and sensitive company information. They use a variety of strategies to ensure our data is safe and companies utilize effective protective systems according to government regulations. According to USA Today, InfoSec Analysts have some of the highest job satisfaction ratings.

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Many employers expect a bachelor's degree in computer science, but it's possible to land an information security analyst position without a degree.

4. Software Engineer

- Median BLS Salary, 2018: \$105,590
- BLS Outlook, 2018-28: 21% (much faster than average)

Software engineering is one of the most versatile technology jobs on this list. Think about it—you use the work of [software engineers](#) every day. The apps on your phones were developed by software engineers. Your Internet browser was designed by software engineers. In fact, nearly every industry in the world uses some kind of software. This means the number of jobs for software engineers isn't waning soon.

If you're interested in this thriving field, there are a number of paths to qualify for software engineering job openings. Some developers opt for a bachelor's degree or a master's in computer science. But more and more tech companies and other employers are becoming less interested in applicants having college degrees in computer science. Instead, many employers focus on the need for practical experience in developing software applications.

5. Computer Research Scientist

- Median Salary, 2018: \$118,370
- BLS Job Outlook, 2018-28: 16% (much faster than average)

Computer Research Science is one of the most lucrative and rewarding careers in tech. Computer Research Scientists are at the forefront of technological innovation. They research and discover new ways to do amazing things with computer technology and help drive progress.

6. Data Analyst

- Median Salary, 2019: \$118,370
- Employment Outlook, 2018-28: 16% (much faster than average)

In today's business world, data is king. That's why more and more employers and recruiters are looking for workers with strong data analytics skills. One such role is that of data analysts. Data analysts have to be skilled at interpreting data. They ensure data accuracy and find the best ways to use that data.

7. IT Manager

- Median Salary, 2018: \$142,530
- BLS Job Outlook, 2018-28: 11% (much faster than average)

Another fantastic tech job is in IT management. IT managers focus on the information technology sector of a company. They plan and coordinate everything this department does. They look for ways to improve IT systems. IT managers are in charge of highly skilled technical teams.

8. Database Administrator

- Median Salary, 2018: \$90,070
- BLS Job Outlook, 2018-28: 9% (faster than average)

Database Administrators, similarly to data scientists, work with large volumes of digital information and help clients manage data. These professionals maintain databases and ensure that computer systems run as efficiently and effectively as possible.

9. Web Developer

- Average Salary, 2019: \$78,662
- BLS Job Outlook, 2018-28: 13% (much faster than average)

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Web developers use programming languages, frameworks, and design strategies to build and maintain websites and applications. They are responsible for making sure all text, images, video, and other design elements are rendered properly on the page.

The internet is here to stay, and the need for qualified web developers will continue to grow for the foreseeable future. Full stack developers are in especially high demand. Even better, Web Developers bring in handsome salaries. Entry level developers also command impressive wages. Web developers are behind every website and web application you use, including this one. According to USA Today, web development has some of the highest job satisfaction ratings of any career.

10. Computer Hardware Engineer

- Median Annual Wage, 2018: \$114,600
- BLS Employment Outlook, 2018-28: 6% (as fast as average)

Computer Hardware Engineers design, build, and repair the physical circuitry that makes computers work. And while software is the face of the tech industry, tech companies still need hardware professionals. Hardware engineers are well-paid, and the position offers a hands-on approach that's attractive to many people.

11. Computer Systems Analyst

- Median Annual Wage, 2018: \$88,740
- BLS Job Outlook, 2018-28: 9% (faster than average)

Computer Systems Analysts are essential because technology changes rapidly. These professionals analyze computer systems for companies and perform updates to make systems more efficient. Computer systems analysts make our list of best IT jobs due to high job satisfaction ratings and competitive pay.

12. DevOps Engineer

- Average Salary, 2019 (Glassdoor): \$111,311

DevOps engineers primarily work with the production of software, overseeing code releases to make sure everything goes smoothly. Their job is to find where the software is inefficient and ensure that everything runs as efficiently as possible. They do this by monitoring the software, troubleshooting it, and editing or configuring it if need be. The best part is, most tech companies are now open to remote work as telecommuting becomes easier. This makes DevOps Engineer one of the highest paying remote jobs in the market.

13. Computer Network Architect

- Median Annual Wage, 2018: \$109,020
- BLS Employment, 2018-28: 5% (as fast as average)

Computer Network Architects design complex digital systems and cloud computing infrastructure for big and small businesses. This field helps companies function in the digital era. Computer Network Architects command a high salary and good job prospects.

14. Java Developer

- Average Salary, 2019: \$103,464

Another one of the best tech jobs around today is in [Java development](#). Java is a robust programming language. It's extremely useful for finance, building Android apps, research, big data, and much more. A Java developer uses their Java skills to develop and test programs. Since Java is used so widely in a variety of big industries, opportunities in the field will continue to rise.

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15. Tech Sales Engineer

- Median Annual Wage, 2018: \$101,420
- BLS Job Outlook, 2018-28: 6% (as fast as average)

Tech sales is a great way to start a technology career without learning to code. For some people, especially former salespeople, this position can be highly rewarding and quite lucrative. And you may be especially well-suited to tech sales if you're already familiar with sales and marketing strategies. Plus, the demand for qualified sales engineers is very high. Tech sales professionals enjoy good salaries, commission, and straight-forward education options, often with job guarantees.

16. PHP Developer

- Average Salary: \$86,616

PHP developers use their skills to improve websites and software. Using their knowledge, they can add features and new functions to websites. They do this to make programs more dynamic. PHP development is one of the most sought after technology jobs, as it is the foundation of [WordPress development](#).

17. Python Developer

- Average Base Salary (Glassdoor): \$85,571

Python is another extremely popular and widely used programming language, and Python development is one of the best tech jobs today. A Python developer creates and tests code for a variety of apps, software, and systems. They work with data mining, cloud and web development, machine learning, and more. They also update and evaluate programs on a regular basis.

18. Network and Systems Administrator

- Median Annual Wage, 2018: \$82,050
- BLS Job Outlook, 2018-28: 5% (as fast as average)

Network and Systems Administrators are in-demand today in virtually every industry in the country. Every business utilizes systems and networks. As a result, businesses need trained professionals to manage these vital and complex systems. Network and Systems Administrators earn high salaries, even compared to other technology jobs.

19. Mobile Application Developer

- Average Salary, 2019: \$73,034

Mobile Application Development is one of the many great technology jobs that demand creativity and keen problem solving skills. Do you have an idea for a new app that will offer entertainment, convenience, or some other value? Then consider mobile app development, since we're all waiting for the next great app or mobile video game!

20. Web Designer (UI/UX Designer)

- Average Salary, 2019: \$64,030

Web designers, like web developers, work with websites and web applications. However, the position is oriented towards the visual aspects of site building. Tasks include creating page layouts and wireframes, working closely with developers, and designing mockups for applications. It makes web design an attractive option for creative people. Web design is a broad career path, but there are plenty of opportunities for UX and UI designers in the job market.

With that, we wrap up our list of the best technology jobs. These will be the most in-demand technology careers through 2020 and beyond.