



IT Certifications 101 – Why Are Certifications Important?

Nobody is born an expert programmer or cybersecurity specialist. It takes years of work to gain the skills and experience necessary to even get started choosing a field of specialized expertise.

The tech industry is one of the most dynamic fields in the modern marketplace, constantly changing, evolving, and developing new norms among its members. Simply keeping up is a full-time job, and it's still virtually guaranteed that some new development or specialization will pop up in the most unexpected of places.

This is just one of the reasons why information technology certifications are so important. Recruiters don't always know the ins and outs of every framework, development methodology, and hardware system they have to deal with. As a result, they rely on trusted third parties to show whether

candidates are qualified or not.

Having an IT certification shows that a candidate or current employee is credible, dedicated, and competent. It shows that the individual has invested time and money into improving their skillset within a certain field – a big plus for any recruiter.

CERTIFIED TECHNICIANS EARN MORE

According to Forbes, certification leads to higher average salaries for IT technicians.

- Virtualization and cloud computing certification lead to an average salary of \$112,955 per year.
- Amazon Web Services certifications can lead to salaries of between \$125,591 and \$121,292 per year – more than 10% higher than other high-paying IT certifications.



- Project Management Professional certifications are the most popular in 2018 and provide an average annual salary of \$114,473.

These statistics point to major growth for certified IT professionals. Employers who need the most in-demand skills are willing to pay top dollar for certified talent. However, it's not just the IT employee who has a lot to gain from certification. Self-employed developers and consultants can use in-demand certifications to establish trust between themselves and their clients. Many government and enterprise contracts require certification from the start.



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Global Information Technology is proud to provide the GIT Scholarship Program. Every month, this scholarship will be awarded to highly driven individuals wanting to begin or advance their IT career. Exclusively, the scholarship will provide a grant of \$2,500.00 towards any certification course or remote live training at GIT. GIT created this opportunity to give back to the community and spread our desire to help those in need. We believe that learning is essential and we will continue to help and develop individuals to help them succeed in their personal development goals. Apply here:

<https://www.global-itech.com/the-global-it->

Career Guide

Quick & to the point – Career Advice

Question: “**Andrei, I have a second interview coming up shortly and I really want this job. BAD. Any suggestions to help me seal the deal?**”

– *Belinda St. Clare*

Answer: In a second interview, you should expect a more in-depth discussion about how you will operate in the role. By this point, you will have already had an introduction with the employer during an application, phone screen or first interview. Your second interview is to solidify your standing as a strong candidate by showcasing your experience, skills and knowledge about the business. The company has an open position because they are trying to fill a need or grow in a certain way. Whether they are hiring to speed up a process, add specific skills or increase output, it is important to show them how you will bring value to their organization. You got this! – *Andrei*

VETERANS, GET READY TO POWER YOUR TECH FUTURE AT GLOBAL IT

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GIT thought Provoking corner

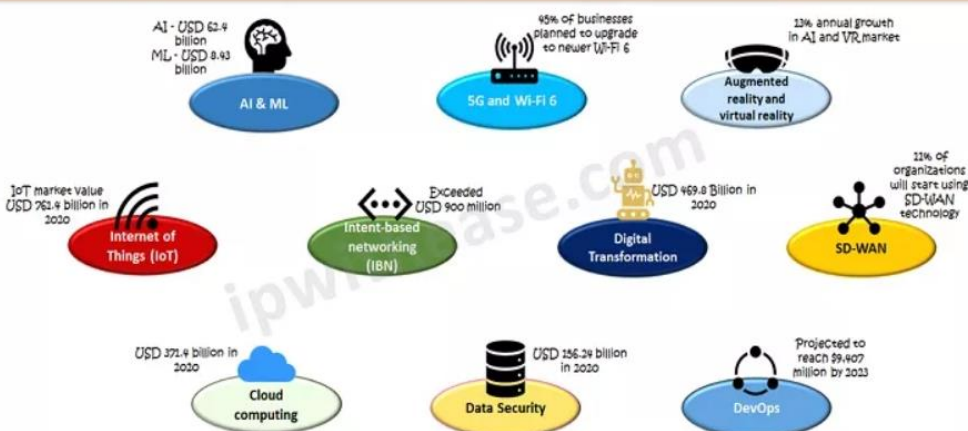


"Learning never exhausts the mind. For the things we have to learn before we can do them, we learn by doing them. Learning is not attained by chance; it must be sought for with ardor and attended to with diligence. The beautiful thing about learning is that nobody can take it away from you."

— Unknown



Top 10 Networking Technology Trends



Top 10 Networking Technology Trends

Networking technology have evolved significantly over the years as demands on Ethernet and Wi Fi have tremendous increased. Apart from supporting a range of devices Local area networks require to manage traffic getting generated from many other sources such as live streaming video, Network attached storage (NAS), Voice over IP (VoIP) , virtualization , Cloud and IoT devices and services have generated demand for additional bandwidth.

In this article we will look at some Networking technology trends which made their place in top 10 in 2021. The need of high-speed internet, cloud and edge computing models and need for migration of data between servers have resulted in shift towards need for high bandwidth and low latency network technologies.

Top 10 Networking Technology Trends

1. 5G and Wi Fi 6 technology – 5G or fifth generation cellular technology. It is characterized by increased speed, reduced latency and improve flexibility in wireless services. It helps organizations to mobilize workforces, extend automation,



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supporting new applications with increased network capacity and high data rates. 5G gives seamless open roaming capabilities between cellular and Wi-Fi access. 5G would solve the issue of many wireless devices connected at once – and IoT makes it worse by slowing wireless network performance. Wi-Fi 6 infrastructure is ready to go however Wi-Fi 6 capable devices such as computers and mobile phones manufacturers need to adopt new standards.

2. Artificial Intelligence (AI) and Machine Learning (ML)

Complex network and business problems can be addressed in real time using AI and ML capabilities. Application of user cases ranging from small cities, manufacturing, security, and networking. ML can make predictions based on network data and AI can take intelligent actions based on those prophecies. Advanced analytics into automation systems will bring in self-operating networks.

3. Augmented reality and virtual reality

Augmented reality (AR) and virtual reality (VR) technologies empower the applications and customer experiences. AR is mainly used on smartphone and tablets to present interior design, allowing shopkeepers to have virtual presentation of furniture.

4. Cloud computing

Cloud allows faster transition to remote work and help to organize remote workplace more efficiently and this contributed to business continuity during any crisis. Maintaining consistent network and security policies across multiple clouds using multi cloud policy management.

5. DevOps

DevOps is tied up to software development and IT. DevOps improve relationship between network service designers and engineers to make operational changes to the services.

6. Digital transformation

It enables adoption of digital technology to transform services or businesses, by replacing on digital or manual processes with digital processes. Process of digitization transforms into digital forms that are processed, stored, and transmitted via digital devices and networks.





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7. Intent-based networking (IBN)

This approach bridges the gap between business and IT. Business intent is captured and continuously aligned to end to end network related to application service levels, security policies, compliance, operational and business processes. Virtual segmentation of IoT devices from remaining network will be one of the major tasks for Networking teams. The creation of secure zones called Microsegments which will allow IoT devices to

operate on same corporate network and reducing the risks to other parts of the network.

8. Internet of Things (IoT)

IoT is all about connecting the unconnected. Majority of objects are unconnected however with IoT devices are acquiring capabilities to communicate and connect with other devices and people changing the way we work.

9. Data Security

usability and integrity of network is crucial to security.

Effective network security manages network access effectively and stops a variety of threats entering or spreading within the network

10. SD-WAN

SD-WAN is a software-based approach to manage Wide Area networks (WANs). This technology lowers operational costs and improvement in resource usage in multisite deployments. Network administrator using this SD-WAN technology can use bandwidth more efficiently and help to ensure enhanced performance for business-critical applications without compromising data security and privacy. SD concept in SD-WAN technologies separate the control plane from the data plane and centralize the control plane from which multiple devices are controlled. Control plane acts like a shared service which is accessible to all administrators within an organization or in a multi tenancy environment.



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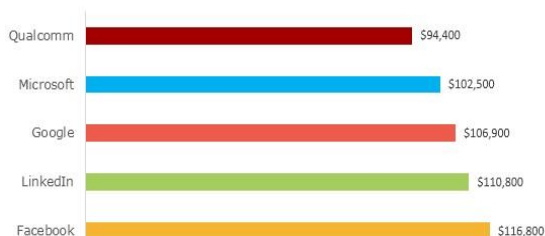
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DID YOU KNOW?

Early Career Pay is High

The biggest tech companies recruit the best and the

Top 5 Early Median Salaries



brightest, and they're paid accordingly. Although you shouldn't expect a huge payout in the stock market working at a tech giant like Google or Facebook (look to startups for that), large tech companies still pay much higher than average for early salaries, with the national median at \$36,000.



7 emerging network jobs that could boost your career

Hot trends such as cloud, edge and remote work, plus new approaches including SASE, SD-WAN and ZTNA, are reshaping network job titles and skills requirements

The relatively stable world of enterprise networking has undergone quite a bit of upheaval over the past few years. As a result, networking

professionals with traditional job titles have assumed new responsibilities, and entirely new job titles have emerged.

Key trends reshaping the jobs of network professionals include increased adoption of cloud services; the push for more automation of business processes; and the rise of technologies such as software-defined networking (SDN), SD-WAN, Internet of Things (IoT), secure access service edge (SASE), Zero Trust Network Access (ZTNA) and edge computing.



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changing at all levels, says Joe Clarke, distinguished customer experience engineer at Cisco. A few of the drivers of change are well documented, Clarke says, including the cloud, SDN and SASE. "These architectures are permeating the network engineering job role, and we see it in terms of the modern network engineer job descriptions," he says. "Sometimes it takes digging in the requisite skill section of the job description to see what the employer wants," Clarke says.

For example, companies are looking for people who understand Python (used for task automation, data analysis and data visualization), Ansible (also used for IT automation, configuration management, application deployment and cloud provisioning) and Terraform (infrastructure lifecycle management.)

In many ways, it is a given that network professionals will know networking, Clarke says. But employers also want someone who will bring value to the business, "which means scale,



agility, and competitiveness," he says. "And all that must happen while protecting internal, and more importantly, customer data."

"Today's network professional is a networker, automator, cloud connector, software maven, and cyber sleuth all rolled into one," he says.

Clarke has seen modern network professionals identify with titles such as network defender, hybrid work engineer, agile NetOps architect, and even chief chaos officer. "These

self-identifiers highlight the responsibility that today's networking engineers feel in protecting their businesses and ensuring reliability in the face of any level of disruption," he says.

Although professionals in the field should not expect a flood of exotic new job titles when they explore the market, there are some emerging roles that reflect the latest trends.



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GIT now offering IRBIZ

Global IT is offering a new course on IRBIZ starting this week, Friday, 7/1/22, 7/8/22, and 7/15/22. Time: 4 pm EST to 5 pm EST. Please note that there is no cost for attending these classes.

IRBIZ course will guide business, IT, and non-technical leaders through industry incident response methods and procedures frameworks and also learn best practices and mitigation methods.

IRBIZ CERTIFIES THAT THE CANDIDATE CAN ASSESS AND RESPOND TO SECURITY THREATS AND OPERATE A SYSTEM AND NETWORK SECURITY ANALYSIS PLATFORM. When a cyber incident occurs, the responsibility of complying with legislative requirements often falls on the entire executive management team. After a breach occurs is *not* the time to begin understanding any legal needs. This course will guide business, IT, and non-technical leaders through what incident response methods and procedures align with industry

frameworks such as US-CERT's NICSP (National Incident Response Plan) and Presidential Policy (PPD) 41 on Cyber Incident Coordination Policy. During this course, participants will also learn best practices, mitigation methods, and devices and understand current state and national incident response methods.

Confirm your participation, and we will share the course details and material. Limited seats are available so RSVP today - placement.services@global-itech.com