

Jobs in Cybersecurity

We have all seen hackers in movies as kids and have wanted, at least once, to be the “guy in the chair”. Maybe it isn't completely impossible. If you have found yourself to be interested in the area of cybersecurity or ethical hacking, then there are several ways you could land on a good job in those areas.

With the world expanding into so many horizons, we see that the number of jobs are increasing too. Working in the cyber security field gives you a chance to work in a fast-paced environment where you continually learn and grow.



Cybersecurity professionals use a variety of tools and techniques to safeguard sensitive information and prevent security breaches. Since it is so important in our daily lives because we use technology for many things such as online banking, shopping, and social media, people have started to become more aware of the need for cybersecurity. Professionals of this area help in ensuring that their personal information and online activities are safe and secure.

Some of the major jobs that you can look out, in the world of cybersecurity, are

- Cyber security analyst: The job of this person involves protecting an organization's computer systems, networks, and data from security threats and implementing measures to prevent and respond to cyber attacks
- Security tester: Also known as an ethical hacker or penetration tester, this role involves evaluating the security of computer systems, networks, and applications to identify vulnerabilities and assess the effectiveness of security controls
- Network security engineer: The job of a network security engineer is to design, implement, and maintain secure computer networks for organizations. They play a crucial role in ensuring the confidentiality, integrity, and availability of network resources.

- IT auditor: Their role is to ensure that the organization's IT infrastructure, operations, and practices are in compliance with relevant regulations, industry standards, and internal policies.
- Cyber security consultant: A cybersecurity consultant is an expert in the field of cybersecurity who provides advisory and consulting services to organizations to improve their security posture and mitigate risks.
- Information security specialist: An information security specialist, also known as an information security analyst or information security officer, is a professional who specializes in protecting an organization's information assets from security breaches, unauthorized access, and other cyber threats.
- Cyber security manager: A cybersecurity manager is responsible for overseeing and managing an organization's overall cybersecurity strategy and operations. Their work also involves hiring good people to protect their company's digital presence and systems.



Skill gaps in cybersecurity basically refer to the differences between the necessary skills that a cybersecurity professional must have and the skills that an employer may be looking for. As the field of cybersecurity continues to evolve and grow, there is a high demand for qualified professionals with up-to-date skills.

Skills necessary for landing these jobs

- Cloud security
- Programming (especially scripting) languages
- Encryption

- Risk assessment
- Intrusion detection
- Problem-solving
- Analytical thinking

It is important for those who are interested in this field to ensure that they have the necessary skills and keep up to date with the latest trends and stay informed about emerging threats and best practices.

Reference1

Reference2