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Cybersecurity

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# Career Paper: Cybersecurity Manager

## Intro/Overview

A Cybersecurity Manager is an IT professional that leads and oversees the use and maintenance of an organization's cybersecurity policies and strategies. They are responsible for keeping the company's digital assets, protecting against cyber threats and ensuring compliance with relevant regulations. They take on a wide range of responsibilities, like risk management, vulnerability management, incident response, and security awareness training.

## Key Responsibilities

As cybersecurity managers they have a vast range of responsibilities they must handle. Some of the responsibilities include strategic planning, policy compliance, technology management, and budget management. Under strategic planning they must develop and implement cybersecurity strategies, policies, and procedures. Policy compliance means they must ensure that the organization's security practices comply with industry standards and legal regulations. With technology management they oversee the selection, implementation and maintenance of security technologies such as firewalls, intrusion detection systems, and anti-malware software. Lastly budget management they manage the cybersecurity budget and ensure that resources are distributed

effectively. As a cybersecurity manager a person must be able to adapt and respond to any situation effectively and quickly.

### **Skills and Qualifications**

As cybersecurity managers must deal with a wide range of problems and incidents, they need a vast set of skills and qualifications. Managers need a strong technical background in IT and cybersecurity which also includes networking, operating systems, security protocols, and threat modeling. They also need analytical and problem-solving skills, which is the ability to identify, analyze and resolve security issues. They also need communication and interpersonal skills, the ability to effectively communicate with both technical and nontechnical audiences. Lastly, they need leadership and management skills, so they need to be able to lead and motivate a team of cybersecurity professionals. As for certifications, a cybersecurity manager should have CISSP, CISM, CISA, CRISC, GIAC Security Leadership, and CCSP. These certifications show that the person has a vast set of skills and qualifications to manage the position.

### **Jobs and Salarys**

Cybersecurity is something that every company needs now a days as the tech world continues to evolve and grow. Many different industries need cybersecurity management and employees. Industries like finance and banking, healthcare, and the government would all benefit from having a strong cybersecurity team. As cybersecurity jobs are in high demand many companies are willing to pay them a good sum of money. Entry-level managers may earn less than experienced professionals with advanced

certifications and can demand higher salaries. As the average manager salary in Virginia is around 132,962 per year, while on the low end 107,400, and on the high-end managers can make around 172,500 and more. A cybersecurity managers pay will vary from experience, location, company size, industry, and certifications.

## **Conclusion**

As the digital world continues to grow and evolve cybersecurity managers play an important role in keeping company's information assets and infrastructure secure. They need to have a wide range of skills from leadership and management to technology management. To ensure that any problem can be solved effectively and efficiently. As cyber threats continue to evolve the demand for skilled cybersecurity managers is also prevalent, making it a great career path for people who are passionate about the field.

## **References**

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