

Career Paper

Cybersecurity Data Analyst

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Cybersecurity is an ever-growing field in today's society. To the point where society as a whole is having problems filling these vital spots to ensure the protection of businesses and the economy, to the protection of just personal information. Today I will be looking at one career field in particular, the job position title changes from company to company, but these professionals usually go by Information Specialist or Cybersecurity Data Analyst.

When we look at the roles these professionals play in the day-to-day protection of Cybersecurity. It can be rather hectic at times and the role of psychology can take effect. Their main role is to ensure protection from cyber incidents and help improve protection of the data that they are entrusted to oversee. The situation that faces many of these professionals though is the increase in incidents using phishing, cyber ransomware, long hours, and minimal pay for the amount of work they do. This has caused stress in the profession and leading many of the spots in the cyber industry to be left unfilled. Even though these professionals use recent incidents to study the behavior of the attackers and their fellow coworkers who fall victim to the attacks. Many find it hard to come day after day when they are short staffed, working long hours, and criticized for work performance.

Information Specialist have a massive impact on the economy through their line of work. Even though many don't work for banks or multi-billion-dollar corporations, their work still plays a vital role. Many companies have reported that they don't have enough personnel to fill their cyber divisions and see a short fall expanding more and more as society expands. These short falls cost small business and larger corporations thousands if not millions in damages when they have their data breached, information stolen, or hacked systems rendering them useless. Information Specialist are needed in these areas to

help understand and mitigate these types of probing attacks. Their job is not only to monitor the companies' systems, install and update company hardware, ensure adequate firewalls and protections are functional and working through crisis management, but also to train the staff on how to protect them from data gathering intent. The shortfall of this though is, when you work for a large company and you are short-staffed, now they are doing the work of three people as just one. This had made it to where many quit or change fields to be less stressed, thus affecting companies' abilities to protect themselves and causing some companies to shut down or lose millions affecting many aspects of the economy.

The last aspect that I would like to look at for this career field is the Sociology aspect. After reading a few articles about the stresses of the job and its psychological effects. The articles brought up the sociological effect that this job has. With long work hours and always being the guy these when something wrong happens, it affects how ones acts with coworkers and family. The high stress of the job can make the home-work life rather struggling. This could cause one to be burnt out or stressed and not wanting to do anything when they get home. It could also cause a hostile work environment when the cybersecurity specialist is seeing everyone else take time off, or have less workload, but due to short falls in manning in the career field, they have longer work hours, or less opportunities for off time.

In conclusion, the role of an information specialist is a demanding role and ever-changing. One of the few thankless jobs in a corporation but plays a very crucial role in today's society. In an ever-growing and expanding career field, hopefully we can improve the life of these specialists and improve the appeal of this ever-growing demand of information specialists.

References:

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