

Job Analysis: IT Cybersecurity Specialist

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IDS 493: Electronic Portfolio Project

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1/29/25

IDS 493 Job ad Analysis

When it comes to a major in a technological field such as cybersecurity, there are many different job paths to choose from, that all have a set, of unique roles and responsibilities. However, throughout my scroll on the web, there was one job that profound my interest from the rest. This role was for an IT Cybersecurity Specialist within the government organization known as DISA. DISA which stands for the defense information system agency, is an organization that specializes in many technological information technology services for the department of Defense (DOD) and the military (DISA, 2025). However, while DISA recruits for multiple technological roles within their agency, this paper will aim to focus specifically on the IT Cybersecurity specialist job role, since it is one that is heavily regarded in my major as an entry level position, which is why I choose it for a deeper analysis.

Organization overview

When individuals think of DISA, they will think of it, just like any other government organization around the United States. However, DISA is not like any other government organization within the U.S., a lot of the work in which they deal with is top secret, and crucial to the nation's wellbeing. This is even displayed in their mission statement, which is "equipping the nations warfighters with the IT and telecommunication resources required to stay connected, and further securing and protecting the U.S. department of defense's information networks" (DISA, 2025) DISA plays a crucial role making certain that threat actors do not get a hold of sensitive DOD information, and cannot hinder our communication networks, through critical missions that defends the nation's security.

Which is why, any technological role within DISA, is one of high importance, and requires commitment to protecting national security, while maintaining the initial job role responsibilities. When it comes to the culture of the DISA organization, one can conclude that this organization is well determined to support their mission, in all areas of information security. This includes that their employees are driven, and corresponding to their position duties, in such A high stress environment. Furthermore, throughout reading the organization website, I can speculate that the organization places themselves at such a high standard and look for continuous improvement within their employees on reaching their mission statement.

IT Cybersecurity Specialist purpose and Responsibilities

Since we have distinguished the organization who made the posting of the position, now it time to discuss the actual position in depth. IT Cybersecurity specialist is a cyber professional that is looked upon to maintain and protect critical systems of an organization and provide technical analyst for customer issues that may arise (DISA, 2025). Furthermore, an IT Cybersecurity Specialist conducts ongoing research on problematic trends that could affect the organizations information systems, or the clients.

When it comes to the responsibilities of a cybersecurity specialist within DISA there are many. This includes assisting clients with integration or configuration issues (DISA, 2025). Aid in troubleshooting, diagnosing, and creating solutions for problems. Respond accordingly to cyber incidents, that are observed or reported, and ensure business activities are carried out (DISA, 2025). Applying information security and assurance policies, principles, in the delivery of customer services (DISA, 2025). And finally, develop

specifications for user instruction manual based upon client needs (DISA, 2025). The reason that there are so many responsibilities administered on such a low-level position, such as an IT Cybersecurity specialist, is due to the sensitive information that the organization works with. When it comes to an organization such as DISA, that work with such high-level security protection, you can expect more responsibilities than the average role requires.

Skills required for IT Cybersecurity Specialist

Throughout analyzing the job posting one of the most important skills, that is needed in the IT cybersecurity specialist role is oral communication skills. The reason being is throughout the role you are going to be asking questions to employers on a problem you are facing and do not know how to troubleshoot or even guiding clients on how to solve their problems. Which is why communication is critical in all aspects, you must be able to talk to others around you, whether that would be on different projects that you are assigned on, you wanting to investigate the status of a certain Information technology system, or even communicating technological information to a non-technical audience. Communication is highly regarded and needed for one's success in this role (DISA, 2025).

Along with communication skills, another very important skill for this role is knowledge of information technology principles. Knowledge of information technology principles are highly regarded in the position, for completing task such as identifying information technology products, troubleshooting information technology systems, and provide routine services for clients (DISA, 2025). Which is why a understanding of these core principles is very important since they are used routinely for the position.

Another key skill in which the IT cybersecurity specialist role requires is attention to detail. The reason this skill is so highly regarded across others, is due to the mass amount of work you will deal with, you must be able to ensure accuracy and completeness along all lines of projects and task (DISA, 2025). This skill also lets the agency understand that you can stay consistent with standards that are required, and can be counted upon for major duties that support the agencies key mission

Finally, the job ad puts high attention for the skill of problem solving, due to the constant use of the skill in the position. This includes the complicated information technology projects that must work on. The goal is to display problem solving skills to address routine information technology issues and come up with solutions through gathering and applying information (DISA, 2025). Furthermore, the problem-solving skill is highly used when speaking with clients on issues that may arise such as server timeouts, router issues, critical systems down, or even a cyber attack on Dailey operations.

Developed skills

When it comes to the skills that are needed for the IT cybersecurity specialist position, there are many skills I posse that would make me an ideal candidate for this position. This includes my oral communication skills in which I hold, since I have worked in a numerous number of roles that required them. This includes my IT part time position with Old Dominion University, in which I had to communicate my task and assignments with my bosses, so they can understand the work I have completed, and aid me if needed. I also improved my oral communication skills even more, through the same position, since I administered help desk tickets for customers, and tried to understand the problem they

were dealing with at hand and tried guiding them towards a solution. Another key skill that I have developed myself on from the job ad, is attention to detail. The way in which I have best developed in this skill, is throughout my main course projects in cybersecurity, in which I always aim to ensure accuracy and completeness throughout my work. This is a skillset that I will continue to build upon, growing in a cyber professional, however currently my course projects, have strengthened me in this skillset drastically. The final key skill that I have developed throughout my academics and internships, and matches the job posting is the problem-solving skill. The way in which I have advanced my problem-solving skills, was during a cyber challenge internship I did one summer, in which we were given the task of improving cyber hygiene techniques. This internship helped me think from interdisciplinary approach on creating a solution, which helped further improve my problem-solving capabilities.

Skills that need further development

While there are many skills that I posse that match the job posting, there are however some skills, that I need to further develop. This includes the skill of knowledge of information technology principles. While I have learned a lot about information technology principles throughout my courses, there still is however room for improvement on the concepts. Which is why I feel my biggest challenge would be adjusting to the technology principles they acquire. Furthermore, this is do the job ad, expecting an individual to have experience, with information technology principles within a past experience, which I do not posse. The second skill in which I would need to improve on, according to the job ad, would be researching capabilities. The research capabilities of the job ad asked for individuals to

use their research capabilities to resolve system integration and evaluation of configuring different network issues. This is knowledge that I do not possess, since I have never used my research for solving networking issues, which is why I would need more work in improving this skillset for this position.

Conclusion

In conclusion, the job analysis has helped provide me with a deep understanding of the IT cybersecurity specialist position within the DISA organization. And throughout the analysis I was able to understand some key cybersecurity skills that are needed for the role. While also comparing the skills that I currently possess and ones that I need to improve on, to better present myself as a candidate. Overall, this was a mind opening experience, that will further drive me to better develop key skills that are normally required for entry level cybersecurity positions, and work on ones that can further enhance my knowledge. This is very prominent for a position such as a IT cybersecurity professional, that will continue to open more roles across the globe, due to the advancements of technology.

Reference page

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