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Job Analysis

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Job Advertisement Analysis

Introduction

Amazon is known as the largest online retailer and cloud computing company. Since I am already a part of the Amazon community, I found one position listed on the website that interests me, Security Engineer II Infrastructure Security Compliance. The position ensures the security and compliance of Amazon Web Services (AWS) international infrastructure, including data centers and supply chain security. I choose this job advertisement for the analysis because I have related skills that will fulfill this position.

Security Engineering AWS Purpose and Responsibilities

The Security Engineer is responsible for guaranteeing that the infrastructure of Amazon Web Services (AWS) is secure and compliant with all applicable regulations. The applicants are responsible for generating and reviewing security results, being able to detect and mitigate security risks, and managing compliance conversations to ensure that Amazon's infrastructure is protected. As stated in the advertisement for the position, the purpose is to protect the integrity and security of the infrastructure, ensuring that it satisfies the highest possible safety and compliance requirements.

Required Skill for Security Engineer

When reviewing the job posting, various abilities are listed for the Security Engineer II Infrastructure Security Compliance requirements a comprehensive range of technical and interpersonal skills. Candidates must thoroughly understand key internet and networking technologies, such as routing protocols, network architecture, and TCP/IP ("Security Engineer,"

2024). This technological expertise is essential for designing and evaluating AWS worldwide infrastructure security outcomes. Furthermore, familiarity with supply chain security and data center compliance is required. The position also demands outstanding verbal and written communication skills in order to direct effective compliance conversations. In addition, Candidates must have at least four years of experience in threat modeling and secure coding, like Linux, Python, and Java, and be able to manage and set up authentication on employee devices and customers. Strong knowledge of system security vulnerabilities and ability to identify any suspicious activities on the system, as well as restoring procedures, such as penetration testing and exploit creation. The job also includes a preferred certification qualification such as Certified Cloud Security Professional (CCSP), Certified Ethical Hacker (CEH), CyberSec First Responder or CompTIA Cybersecurity Analyst, etc. ("Security Engineer", 2024)

Furthermore, while analyzing the job requirements, Amazon Web Services (AWS) is looking for a highly skilled and experienced individual who can handle difficult security challenges. Also, teamwork and creativity show that it appreciates different experiences and an open community. According to the job ad, candidates' base pay ranges from $136,000/year to $212,800/year.("Security Engineer", 2024)

 Relate courses and internships have prepared you for these skills

When I analyzed the skill requirements for this position, I noticed that I was familiar with some requirements. At Thomas Nelson Community College, I took multiple courses that prepared me for this position, such as communication and collaborating with others, for example, working in a group. At ODU, I learned programming languages like Linux and Python, cryptography, problem-solving, strong critical thinking, risk management, and authentication. By

completing all these courses, I can complete the task provided in the job ad. On the other hand, with all the skills I have already gained from my previous courses, I will be able to fulfill the role of Security Engineer II Infrastructure Security Compliance. I am currently taking a course that teaches how to protect and detect computer systems and strategies; this class will help me understand penetration testing and the development of exploits, which are listed as one of the skills. Also, I plan to study for some certificates, such as CompTIA Cybersecurity Analyst and Certified Ethical Hacker. I have not had any internships, but the experience in my current part-time job will help me become familiar with this position.

Conclusion

The Security Engineer II role in Infrastructure Security Compliance at Amazon Web Services (AWS) offers a compelling opportunity for individuals with a strong knowledge and a passion for security. The purpose is to secure the security and compliance of AWS's infrastructure, including data centers and supply chain security. The job requires a comprehensive range of skills. My coursework has given me the necessary skills and experience to fulfill this role, making me a strong candidate. Therefore, the Security Engineer II role at AWS offers an intellectually exciting environment, with opportunities for professional development and the chance to work on impactful projects that contribute to the security and integrity of Amazon Web Services (AWS) infrastructure.

References

Amazon A to Z login. (n.d.). https://amazon.jobs/en/internal/jobs/2783118/security-engineer-ii-infrastructure-security-compliance

[Security Engineer II, Infrastructure Security Compliance - Job ID: 2783118 | Amazon.jobs](#)