

Job Analysis

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Abstract

The report outlines the skills and qualifications required to secure a job at Leidos as a Cloud Image Developer. Skill sets such as having specific certifications (CompTIA Security+ and AWS SysOps Admin), obtaining a government clearance, and possessing scripting writing skills like Python are aspects of the job that candidates will need to showcase. The report delves into courses and education that help further my skills and make me a desirable candidate for this position. Reading in between the lines helps candidates predict other skills sets and certifications employers would also be looking for that's not necessarily stated.

Keywords: Skills, Certifications, Cybersecurity, Cloud, Leidos

Introduction

Getting prepared for graduation and finding the next steps in life can be intimidating, but having the right guidance and planning for the future is important to success. Being a cybersecurity major, the job market has numerous opportunities, but skills and experience are valued over anything, which can make getting a job competitive. However, with the right resources, commitment, and dedication, any job can be feasible.

The current job market for cybersecurity graduates is very massive, with opportunities ranging from Information Technology to software engineering with the proper skills. Cybersecurity is broad, just like computer science. As a cybersecurity student, you dabble in numerous skills that make you a well-rounded professional. Leidos, a company known for innovation all around the world and a major technology infrastructure, is a perfect fit for individuals that want to make an impact on technology and people. Leidos is dedicated to ensuring customer trust and data protection by creating meaningful solutions and protective measures. According to Leidos, “What we believe is the foundation of everything we do. We have strong values—integrity, inclusion, innovation, agility, collaboration, and commitment—that are a way of life. It simply comes down to this: we believe in doing the right thing always, for each other, our customers, and our stakeholders”.

Cloud Image Developer at Leidos

Leidos has numerous job openings and opportunities from internships to full-time positions that are flexible for individuals' social lives. A job posting that's interesting is Cloud Image Developer at Leidos which supports and implements cloud modernization initiatives for the United States Coast Guard. This role is a “high-impact” program focused on delivering

secure, scalable cloud solutions that enable operational agility and resiliency. What they are looking for in a candidate is a well-versed professional that has a bachelor's degree in either, computer science, information systems, or an adjacent degree with more than four years of experience in cloud infrastructure engineering. Candidates must have strong scripting skills in PowerShell, Bash, or Python, as well as knowing security hardening standards like DISA STIGs or CIS benchmarks. The most important skill candidates must obtain is certifications like AWS SysOps admin, Azure Administration, or CompTia Security+ certifications, and must be a U.S. citizen and able to get a public trust and DoD secret clearance. The company is looking for someone well versed in these areas so that training is minimal; having these certifications and skills are very valuable and a requirement to even be considered for the position. The ad does a great job of listing everything that candidates need to know before applying to the position. This can prepare candidates for what is to come and the potential workload they will be responsible for.

Skills and Education

In cybersecurity, there are numerous skills you have to learn at least at Old Dominion University, which is nice because it makes graduates more valuable and knowledgeable, which recruiters look for. At the Academies of Loudoun, I studied network engineering, also known as CISCO networking. I did this in high school, which prepared me for college and the workforce by offering students the opportunity to work for ManTech after completion and signing up for interviews. This helped my younger self acclimate to how it is to interview at big corporations and showed how competitive the job market can truly be. During my time at Old Dominion, I've always done cybersecurity with a concentration in network engineering. I've improved my skills in network architecture by using software like Packet Tracer and the command prompt to

practice my skills at any point. My current class, Basic programming and networking is iterating the fundamentals I will need to do any assignments future employers may make a responsibility for me. We learn coding and networking to the littlest of details to really iterate on how, if anything messes up, it can ruin the entire program or network. We also learn why the internet and coding is the way it is, so we have a deep understanding for the protections and security we will be implementing for companies. Confidentiality, Availability, and Integrity are vital rules and guidance for anyone in any industry to implement software or rules for the company. Taking classes in cybersecurity policy shows how confidentiality, availability, and integrity are the core foundations for how we innovate and keep our data protected. Without this foundation, numerous companies and skilled professionals can end up not taking the right precautions to secure programs and networks from breaches that can lead to financial loss, reputation depletion, and loss of customer trust. Taking these classes has helped a lot in understanding how devastating breaches could be if professionals don't implement protocols and secure webpages accurately, especially when evaluating the 2013 Yahoo scandal that ended up leaking over three billion people's sensitive information.

Reading between the lines

When reviewing these jobs, it tells you the broad qualifications of candidates they are looking for. It tells you the general skills they look for, but sometimes the more skills you have, the more desirable a candidate you will be. Looking at the job posting for Cloud Image Developer tells you the necessary qualifications you need to be considered. Though most would think, That's it? There is more that goes into it. They have these qualifications as just the foundation, but if you "Read between the lines," you can conclude that other skillsets are valued. Taking courses

through Google Cloud offers lots of modules and certifications that employers love to see on a resume. Google Cloud is preferred by professionals because it has the latest information and applications that mimic job responsibilities that most corporations follow for occupations. Google Cloud is a great certification that boosts your resume because then you'll be very knowledgeable about cloud computing, which is fitting for the job discussed. A skill needed for this specific job that isn't stated is proper time management and curiosity. The job is project-based, that has deadlines, making sure that you have allocated enough time to complete these tasks is very important in this role, since developers work with the U.S. Coast guard. Curiosity is needed because when problems arise through development programs, errors occur. Troubleshooting is going to play a big role in jumpstarting projects and making sure innovation, passion, and creativity is being exploited to make technology better.

Conclusion

Having the necessary skill sets, qualifications, and education can set you up for success. Having the right mentors and plans to qualify for jobs is crucial when graduating from university to be a well-versed candidate that has numerous skillsets and certifications. Being a competitive candidate with skills, certifications, and experiences makes for the perfect employee at corporations. Going above and beyond is what recruiters want to see; the dedication and drive to innovate and create advanced technology is what technological companies are looking for. Reading between the lines to set yourself for success will show that you are responsible, shows self-reliance, and self-initiative. With all these aspects of creating the perfect skillset will make candidates like me knowledgeable and desirable to recruiters.

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