

Hailey Caram

Reflection Paper 3

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NCDOC

Professor Teresa Duvall/TA Joshua Russell

Internship Reflection Paper

150 Hours

As I reflect on the last 150 hours of my work and internship, I recognize the value of higher education on my real-world role. Although I come prepared with hands-on experience, completing coursework and participating in higher education has enhanced my ability to understand concepts, apply knowledge, and perform in my role as a SIEM developer. I find it incredibly rewarding and fascinating when a class concept overlaps with a situation I am facing at work. I have found my previous work experience particularly rewarding as I feel my knowledge has made past coursework easier. In addition, my established role as a SIEM developer has allowed for a seamless transition into my internship experience.

I have continued working to meet my learning objectives over the last 50 hours and the collective 150 hours of my internship experience. Recently, I was given the opportunity to advance my skills in detection engineering by creating, testing, and implementing threat detection mechanisms into a SIEM framework. I was asked to

create new detections for computer activity I have never had to monitor previously. My supervisor provided me with the list of detections and I completed independent research to ensure we were capable of implementing these detections. After reviewing the rules, I realized I was unfamiliar with this kind of activity, so I researched best practices for creating these detections. This situation provided me with an opportunity to challenge my skills, knowledge, and resourcefulness. I appreciate the opportunity to learn new skills and the trust my supervisors place in me to figure things out on my own.

During my everyday work, I sometimes find myself translating technical terms. Fortunately, I do not often encounter this on my team or with my supervisors, as we all carry technical knowledge and skills. When I collaborate with other teams or outside professionals, I more often find myself translating technical terms. Translating this terminology has been easier than I expected, especially as I have been trained in both Microsoft and Splunk tools. This knowledge helps me to offer equivalents in one tool for the other. This might be helpful when I am explaining a Microsoft practice to a colleague who mainly works with Splunk. Since learning both tools, professional communication has become more efficient, productive, and effective.

As I continue in my career and coursework, I will continue to prioritize my learning objectives through hands-on experience in my role as a SIEM developer. I am provided opportunities daily to improve my professional communication skills, apply the foundational pillars of cybersecurity in a real-world setting, advance skills in detection engineering within a SIEM framework. I will pay particular attention to identifying the

foundational pillars of cybersecurity and applying these in what may feel like routine situations to me over the years to come.