



EY

Reflectie

**Bachelor in de Elektronica-ICT
keuzerichting Cloud en Cyber Security**

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1 REFLECTION

I thought carefully about the assignment I was given and carried it out to the best of my ability. I did elaborate analyses for this purpose. Although it was a complex assignment, I worked with commitment to perform to the best of my ability.

During my internship at EY, I went through a personal growth process. I also gained a lot of additional knowledge during this extremely interesting internship period. I raised the bar for myself and grew enormously in terms of ICT knowledge. I am satisfied with my performance, my added value, and my personal development.

In this reflection I will discuss the content of my internship and my professional skills.

1.1 Content

At the beginning of my internship, I was assigned the task of further developing a Cloud Intelligence system capable of conducting multiple security scans simultaneously. To begin, I carefully analyzed the assignment, considering both the functional and non-functional requirements set by EY. Gathering relevant data and information was crucial in tackling this complex IT problem. Initially, I faced some uncertainty on how to proceed, but my internship supervisor at EY provided valuable guidance and practical tips, which helped me gain clarity as the project progressed.

To effectively manage the project, I divided it into three phases. First, I created the Pipeline scan using AzureHound. In the second phase, I focused on data aggregation using Python. However, the third phase, involving the deployment of an ARM template through a pipeline, is still in progress. I made sure to complete each phase in a well-structured manner.

Throughout my internship, I demonstrated flexibility as the assignment requirements were frequently adjusted, requiring me to adapt the solution accordingly. Flexibility was a skill that I had already emphasized during my training at Thomas More University.

During the analysis phase, I utilized existing data, carefully selecting and interpreting it to find solutions for the assigned task. The project was developed in an Azure DevOps environment, providing me with practical experience beyond what I had learned during my IT training.

In the Azure DevOps environment, I first created a pipeline to install AzureHound, which was a new concept to me. It took some time to familiarize myself with it, but as my internship progressed, I became more proficient. Additionally, I implemented data aggregation using Python, an area in which I already had a solid foundation, but my internship allowed me to gain practical experience and work with existing code that required modifications. This required thorough investigation and understanding of the code structure before proceeding with development.

I successfully installed, configured, and secured the various solutions within the Azure DevOps environment. The first two parts of the project were completed successfully, but

the third part, involving the ARM template, is still ongoing, with preliminary research already conducted.

Throughout the process, I conducted regular testing of the solutions against the predefined requirements and actively participated in operational and integration testing. Furthermore, I diligently documented my solutions, a practice that I had learned during my training, but which I further refined through practical application. All documentation was prepared in English.

1.2 Professional skills

During my internship, I witnessed a significant improvement in my professional skills. One area where I particularly grew was in communication. I effectively communicated in both spoken and written forms, using both Dutch and English. I regularly provided updates on my progress to the IT team in English. Although I had already learned a lot about communication during my education, the internship provided valuable lessons. Initially, I struggled with asking questions, but as the internship progressed, I became more confident in seeking assistance from my supervisor. I also actively participated in meetings at EY.

Throughout the internship, I had the opportunity to work both independently and as part of a team. Working independently posed no challenges, and through research, I acquired substantial knowledge about the assigned tasks. Collaborating with a team was initially daunting, but as the internship progressed, I gained valuable insights into effective teamwork. Towards the end of the internship, I was proactive in reaching out to my team members when faced with challenges.

I maintained a high level of efficiency throughout the internship; however, certain aspects of the project took longer than anticipated. Nevertheless, I persevered and remained committed to completing the project successfully.

Problem-solving became a crucial skill that I honed during the internship. This skill was already emphasized in my education, enabling me to apply it effectively during my internship. Initially, I sought assistance multiple times, but as the internship progressed, I developed the ability to devise solutions independently.

The internship also helped me enhance my organizational skills, making my work more structured and comprehensible. Additionally, I learned to manage stress and adapt to changing requirements.

During this period, I became more proactive and focused on optimizing my productivity by minimizing time wastage and utilizing work time efficiently. Moreover, I actively embraced feedback and acted upon it. I consistently adhered to company regulations and maintained ethical work practices.

In terms of technical expertise, I deepened my knowledge in the IT field. I expanded my proficiency in Python and familiarized myself with the AzureDevops environment, which was relatively unfamiliar to me. I accomplished this through various video resources and tutorials.

I consistently sought alternative and innovative solutions for the project, displaying creativity whenever technical issues arose. Initially, I heavily relied on my internship supervisor for guidance, but as the internship progressed, I gained the confidence to independently resolve encountered problems.

My internship experience at EY provided valuable insight into functioning within an international work environment, broadening my horizons. By continuously evaluating my performance, I was able to maximize my potential and undergo personal growth.

1.3 Conclusion of the reflection

This internship has had a profound impact on my personal growth and development, equipping me with a diverse range of skills and competencies that have significantly enhanced my professional journey.

One of the key lessons I learned during this internship was the ability to work independently and effectively manage my tasks and responsibilities. Being part of a professional team allowed me to improve my communication skills through collaboration and interaction with colleagues. I became adept at receiving and incorporating feedback, and I embraced the importance of taking initiative and being proactive in my work.

Problem-solving became a focal point of my internship experience, as I learned to seek guidance from colleagues and utilize available resources to find solutions. My problem-solving skills improved, and I became skilled at effectively communicating with my colleagues to overcome challenges.

This internship served as a tremendous learning opportunity, where I was able to develop and refine my technical skills, strengthen my communication abilities, and sharpen my problem-solving capabilities.

The knowledge and growth I gained during this internship, both on a personal and professional level, are invaluable. I am immensely grateful for the opportunities provided to me by my colleagues and EY. This experience has undoubtedly enhanced my prospects in the job market, and I am excited to apply the skills and knowledge acquired during this internship to future endeavors.