

## Unit 12 Reflection

In this last week of module 4, I prepared the relevant module reflection paying attention this time around to be as reflective as possible in my writing. This involves critique, analysing alternate solutions and even questioning oneself and one's contribution to the team. Also required based on feedback from the tutor in module 3, Secure Software Development is the *emotional* aspect to reflective writing. I find this challenging to achieve within a short one thousand words limit, because *emotional* writing presents several opportunities to express one's own opinions about content and topics and materials. Yet, at the same time the reflection needs to cover the content of the module, teamwork, and various aspects. I feel this is rather restrictive, but I do think that consideration is given to the tutors who need to evaluate each module reflection.

As part of submitting the module reflection, I also worked on finishing style changes to the eportfolio that enable a somewhat friendly experience at difference screen sizes. Each time I work on the eportfolio, I always walk away with admiration for the CSS framework and the design that went into making such a framework possible.

I enjoyed the content of most units in this module which have caused me to give more consideration to network security. This last unit's content concerning decentralised public key infrastructure was an interesting read because it showed how easily even Certificate Authorities can be hacked into issuing rogue certificates. To me, this highlights that cyber security is becoming as advanced as the technology that evolves, however it seems that Blockchain technology may serve some practical use after all since it can be leveraged to prevent man-in-the-middle attacks. Although given that it requires a device to synchronise a full copy of the consensus data (roughly 400GB), it might not be fully ready for prime time.

Overall, I am glad to have made it this far in the course. I feel that I am more competent in considering cyber security policies, future network architectures such as Content-Centric showing promise or even Cybertwin architecture proposed by Yu et al. (2019) that aims to provide scalable, secure, mobile, and available networks that map internal addresses to opaque external addresses. This module has provided a good introduction into networking and information security management.

## References

Yu, Q., Ren, J., Fu, Y., Li, Y. & Zhang, W. (2019). Cybertwin: An origin of next generation network architecture. *IEEE Wireless Communications*, 26(6):111-117.