

IBM Accelerator

Talent Identification Program

Week 7: Secure Engineering and Development

Pre-Session Materials

Materials this week will focus on some of the characteristics associated with secure engineering and development. It will cover some basic concepts such as Threat Modeling, which is something as an architect, engineer, and/or developer you should be able to produce and consume. Additionally, we touch on the importance of security in your code.

You are not required to go through all these guides and tutorials, but they are strongly recommended to understand the foundation of the concepts to be discussed.

Security and Privacy by Design

<https://www.ibm.com/trust/security-spbdd>

Threat Modeling

https://securityintelligence.com/articles/threat-modeling-container-environment/?mhsrsrc=ibmsearch_a&mhq=threat%20modeling%20in%20a%20container%20environment

Understanding Software Security with examples

https://developer.ibm.com/articles/coder-challenge-find-the-security-bug/?mhsrsrc=ibmsearch_a&mhq=secure%20coding

IBM Garage

<https://www.ibm.com/garage>

Example CVE

<https://nvd.nist.gov/vuln/detail/CVE-2016-5386>