

The Importance of Engineers

Engineers serve important roles in cybersecurity. Cybersecurity require a lot of hardware. As opposed to software like VPN's and fire walls, there is also a lot of hardware required in cybersecurity, not only are there computers, cameras, and other devices there is construction hardware that is also required. Buildings and construction can be responsible for housing or helping produce certain types of technology, for instance, power lines can carry electricity and a donut shop holds donuts safely within the walls. These hardware or structures that are built by the engineers can act as entry point for attacks. If someone is able to alter or attach their own hardware, then that can act as a potential risk. Dongles that are attached to these structures are highly evasive and can cause serious damage, in some cases letting an attacker straight in through that access point. The job of an engineer as it pertains to cybersecurity could possibly contain blocking off all options for these intrusive dongles to be inserted or planted on to the hardware. Cell towers, power plants, factories, even your home and job are susceptible to attacks directly if an engineer involved does not take cyber security in to account and put preventative measures in place to disallow intrusions or at the very least make it more difficult for these intrusions to take place.