

Cybersecurity Tester intern (IDA: 2024-00051)

Your tasks

Responsibilities

- Identify & establish project specific security & privacy verification & validation measures such as weak points in Vehicle functions and new attack vectors.
- Collect information about SUT (System Under Test) e.g., end users, interfaces, used application.
- Execute the testing activities in accordance with the security & privacy lifecycle.
- Plan and create penetration methods, scripts, and tests.
- Report the progress of the ongoing tasks to relevant project team (e.g., Technical Project Lead, Test Manager, S&P Manager)
- Establishes and configures relevant test tools for requirement-based testing, experience-based testing, and fuzz testing.
- Execute automated test sequence using previously defined test cases.
- Monitor & evaluate system behavior such as how the SUT (System Under Test) responds to various attempts of intrusion.
- Generate Fuzzed data using mutation, generation, or protocol-based methods.
- Deploy cyber-attack in a simulated and controlled environment in order to take control & extract data out of SUT (System Under Test)
- Create test report including list of identified vulnerabilities, details of each step taken to infiltrate the SUT (System Under Test) and suggestions for security fixes.



Job ID

REF57880C

Field of work

Engineering

Location

Singapore

Legal Entity

**Continental Automotive
Singapore Pte. Ltd.**

Your profile

- Basic understanding of Cybersecurity attributes
- Basic understanding of Cryptography
- Basic knowledge of Networking protocol
- Knowledge of Product Security in Electronics and Embedded System/IoT will be an added advantage (such as Secure Boot, Secure Diagnostic, Secure JTAG)
- Good programming knowledge in one or more programming languages - Python, C++, C / C# programming and CAPL.
- Familiar with common hacking frameworks (e.g., Kali Linux, Metasploit, etc.)
- Ability to work in international teams and with international customers.
- You are pro-active, self-motivated and a good team player.
- Good verbal and written communication skills

Our offer

Ready to drive with Continental? Take the first step and fill in the online application.