

# 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.

## 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.



Job ID  
**REF57880C**

Field of work  
**Engineering**

Location  
**Singapore**

Legal Entity  
**Continental Automotive  
Singapore Pte. Ltd.**