SW Security Analyst

Job Description:

- Identify flaws and vulnerabilities in complex secure systems
- Reverse engineer software and systems to find vulnerabilities
- Implement complex multi-stage exploits on multiple platforms and architectures
- Working with software, hardware, embedded systems, cryptography, ...
- Provide feedback to development teams
- Willing to work full time at Haifa offices – advantage. For suitable candidates, it MAY be possible to work from other NDS/Cisco offices (JLM, Netanya), with work at Haifa as needed.

Requirements:

- Curiosity, Passion and Initiative
- Ability to learn and integrate new information very quickly, autodidact
- At least 3 years development in low-level language (C/C++/ObjC/ASM)
- Familiarity with Linux
- Ability to understand large code bases written by others
- Out-of-the box, abstract thinking. Creative problem solving
- Nice to have:
  - Experience using IDA, idapython, ollydbg, gdb
  - Experience reverse engineering binary applications (ARM,x86,PPC,MIPS,...)
  - Experience with vulnerability assessment and exploit development
  - Experience with malware and rootkit analysis
  - Experience developing on Windows,Linux,OS X,iOS,Android,...
  - Experience with operating system and compiler internals
  - Knowledge of networking protocols
  - Experience with large open-source projects
  - Experience developing in Python
  - Basic knowledge of electronics, digital system design and debugging (JTAG,logic-analyzer,...)
  - Experience with embedded development
  - B.Sc./M.Sc. in Computer Science, Electrical Engineering or Mathematics an advantage
  - Knowledge of cryptographic principles
  - Experience developing for security

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