Michael Peleg
Security Researcher

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WORK EXPERIENCE

Security R&D
Offensive Cyber Security Company

08/2018 - Present   *Limassol, Cyprus*

Achievements/Tasks
- Research, reverse engineering and exploitation of Android applications and operating system vulnerabilities
- Develop POCs based on research findings
- Experience in code injection in Android environment
- Analyse mobile application artefacts such as known file formats, OS proprietaries binary files, databases etc.
- Experience using gdb/JEB/IDA/Frida for research and binary modification
- Extensive use of microservices and docker environment

Security R&D
Gita Technologies (Cognyte)

01/2016 - 08/2018   *Tel Aviv*

Achievements/Tasks
- Research and exploitation of WiFi/GSM/3G protocols
- Develop WiFi interception products

PHY Firmware Engineer
Altair Semiconductor (Sony)

03/2014 - 01/2016   *Hod Hasharon*

Achievements/Tasks
- Taking a key role in a team developing wireless modem solutions from scratch on a proprietary SDR architecture for the LTE protocol
- Taken part in all steps of design, implementation and debugging of various features
- Develop and implement the phy layer of the LTE modem

RF System Engineer
Altair Semiconductor (Sony)

10/2010 - 03/2014   *Hod Hasharon*

Achievements/Tasks
- System level design of the company's RF LTE chipset
- Design various RF algorithms for: lowering power consumption, calibrations etc.

EDUCATION

• Master of Business Administration(M.B.A)
Tel Aviv University

10/2016 - 08/2018

• Bachelor Of Science (B.S.C), Electrical and Electronics Engineering
Tel Aviv University

10/2008 - 08/2012

SKILLS

`Android Internals` `Code Injection`
`Function hooking` `Reverse Engineering`
`Programming languages: C, Python, Java, Matlab`
`Extensive use of dynamic & static analysis tools: Frida, Ida, Jeb, gdb`
`RF` `Wireless communication systems`
`Tx/Rx chains`
`RF measurement and testing equipment: Spectrum analyzer, signal generators, Rohde & Schwarz CMW500`
`unit tests`

MILITARY SERVICE

RF System Engineer (10/2004 - 10/2008)
Intelligence Corps, 8200, IDF

LANGUAGES

Hebrew
Native or Bilingual Proficiency

English
Full Professional Proficiency

Russian
Professional Working Proficiency