

Dan Kotovski

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Summary

Served in the 8200 Unit for five years and took part in various security related projects.

After my army service I worked at a startup called Appdome and Cognyte as Android researcher and team lead.

I have deep understanding in software design, maintenance and code reviewing paired with excellent reverse engineering skills.

Currently looking for exciting and challenging job in the cyber security industry.

Technical Skills

- **Programming languages and tools:** ARM, C, C++, Python, Java and IDA.
- **Knowledge:** Windows(didn't touch it since 2014), Embedded(GSM stacks), Linux, Android, Chrome and GSM (2G).
- **Languages:** Hebrew, English and Russian.

Professional Experience

8200 unit

- **Software Developer, Windows** **Apr 2013 – Nov 2014**
 - Developed in a complex large-scale C++ project for Windows environment
- **Mamas Course Instructor** **Nov 2014 – Feb 2015**
- **Mobile Embedded Research** **Feb 2015 – Nov 2017**
 - Performed protocol analysis tasks related to GSM (2G) standard
 - Led projects development in C and Python for embedded OS
 - Developed static program analysis system, unpacker and debugging tools
 - Performed Reverse engineering research of prior unknown OS
 - Exploited vulnerabilities on new devices and fixed broken exploits due to updates and changes in the OS.

Appdome

- **Android researcher - Apps and user mode** **Dec 2017 - Jun 2019**
 - Research of proprietary security libraries in order to successfully integrate them with our product
 - Developed core capabilities from scratch like java hooks system, Dalvik code obfuscation, native library encryption at runtime and etc.
- **Research team lead - iOS and Android** **Jun 2019 - May 2020**
 - Lead team of four researchers while staying hands on

Cognyte

- **Android researcher - Chrome** **May 2020 - Dec 2021**
 - Exploited 0day sbx in Chrome using innovative method and developed automatic exploitation tools
 - Found a vulnerability in the Android Dalvik interpreter
 - Various smaller tasks related to maintenance of our chain on Android
- **Research team lead - Shannon Baseband** **Dec 2021 - present**
 - Was in charge of knowledge transfer from partners in different company and creating a new team to maintain and continue working on the project
 - Lead team of three researchers while staying hands on, the team is in charge of the chain till code execution in the AP

Education

Programmers Course, 8200

Nov 2012 – Apr 2013

- Mamas programming course focused on C++ development, followed by 8200 Unit Windows internals course.