Spyros Seimenis

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SKILLS

Programming and code review

- Excellent knowledge of C, Java, ARM asssembly
- Experienced with Javascript, Python, Ruby, Go, C++, PHP, MySQL, shell scripting
- Code review experience on .NET (C#), iOS (Objective-C/Swift), Kotlin, x86 assembly

Technical

- Reverse engineering and binary analysis specialized in mobile application testing (Frida, IDA, Ghidra, ILSpy, jadx, Wireshark etc.)
- Thorough experience in web/API penetration testing, tools and methodologies (OWASP Top 10, Burp suite, Nmap etc.)
- Strong academic and professional background in cryptographic protocols designs and implementations, networking stacks and operating system internals (Linux based mostly)
- Well-rounded consultant, experienced in thorough helpful bug reporting with detailed and clear recommendations
- Linux administration, containerized environments and container security
- Fuzzing frameworks and bug triage (Honggfuzz, AFL)

EXPERIENCE

Census S.A.   Athens, GR
IT Security Engineer   Feb 2018 - Dec 2019

- Conducted security assessments (more than 20), code reviews and threat modelling for domestic and international clients either as one-time assessments or following an SDLC approach with continuous incremental assessments in a varied range of applications.
- Specialized in Android platform's security architecture in every level (root detection and bypass methods, user/kernel space hardening, TrustZone application security, secure elements/chips etc.).
- Performed penetration tests (web/mobile solutions and various embedded and IoT applications).
- Provided consultancy for development teams on industry's security guidelines and best practices by closely working with clients to ensure secure development processes were followed.

Amazon   Luxembourg, LU
Software Development Intern   Mar 2016 - Oct 2016

- Profiled and improved the overall loading time of our main web platform, achieving around 30% speedup.
- Built and deployed a front end portal and a supporting back end service utilizing various AWS technologies to surface a technical function to our end-users across all supported Amazon regions.
- Provided user support, fixed bugs and optimized database queries on a day-to-day basis.

Computer Engineering & Informatics Department   Patras, GR
UNIX group LabCom volunteer   2010-2014

- Participated in the maintenance process of the department's servers and provided user support.
- Participated in incident response exercises and CTFs such as Panoptes 2011/2014 or CyberProtector 2014. Scenarios included data leakage (steganography, pcap analysis) and incident handling (traffic analysis, IDS filtering, system updates etc.), web application security, forensic analysis on Linux systems (malware and rootkit detection, system modifications etc.) and penetration testing.

EDUCATION

M.Eng (Hons) in Computer Engineering & Informatics   Patras, GR
University of Patras, Greece   2010-2017

- GPA: 8.7/10 (First class honors and valedictorian)
- Thesis: Penetration testing in information systems and methodologies
- Online coursework: Cryptography (coursera.com), Software Security (coursera.com)

LANGUAGES

English
- Certificate in Advanced English (CAE) University of Cambridge Grade: C
- 6-month internship in international English speaking company
- 2 years working as a security consultant for clients worldwide

French
- DELF B2
- 6-month internship in mainly-French speaking country

Greek
- Mother tongue

AWARDS

OWASP AppSec Research Athens, Greece   Athens, GR
1st place in national university CTF competition (University of Patras team)   2012

University award of excellence   Patras, GR
Admitted in third place among students of my department   2010