

## Ionescu Răzvan-Costin

[razvan.ionescu@pentest-tools.com](mailto:razvan.ionescu@pentest-tools.com) / +40726969952



### EDUCATION

|                   |                                                                                                                                              |                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 10/2010 – 07/2012 | <b>University POLITEHNICA of Bucharest</b><br>Faculty of Automatic Control and Computers<br>MSc. – The Security of Complex Computer Networks | Bucharest, Romania |
|                   | <b>University POLITEHNICA of Bucharest</b><br>Faculty of Engineering taught in Foreign Languages<br>BSc. – Information Engineering           |                    |
| 10/2006 – 07/2010 | <b>Technische Universität Chemnitz</b><br>Erasmus Scholarship                                                                                | Chemnitz, Germany  |
|                   | Advisory: Prof. Dr. Hanno Leffman (Theoretische Informatik und Informationssicherheit (Department of Theoretical Informatics and Security))  |                    |

### PROFESSIONAL EXPERIENCE

|                   |                                                                                                                                                                                                                           |                    |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 04/2019 – present | <b>Pentest-Tools</b><br>Expert Penetration Tester / Security Consultant & Researcher<br>- Penetration Testing and Vulnerability Management engagements – Web, Mobile and Infrastructure                                   | Bucharest, Romania |
|                   | <b>IONESCU RĂZVAN-COSTIN PFA (Registered Sole Trader)</b>                                                                                                                                                                 |                    |
| 08/2018 – present | Owner / Expert Penetration Tester / Security Consultant<br>- Penetration Testing and Vulnerability Management engagements – Web, Mobile and Infrastructure                                                                | Bucharest, Romania |
|                   | <b>Fitbit</b><br>Penetration Tester<br>- Penetration Testing and Vulnerability Management engagements – Web, Mobile, Infrastructure and Physical Devices (e.g. smartwatches)                                              |                    |
| 06/2018 – 03/2019 | <b>EY</b><br>Senior Advisor / Penetration Testing / IT Advisory<br>- Penetration Testing and Vulnerability Management engagements – Web, Mobile and Infrastructure                                                        | Bucharest, Romania |
|                   | <b>Dell SecureWorks</b><br>Security Systems Senior Advisor - Penetration Testing<br>- Penetration Testing and Vulnerability Management engagements – Web, Mobile and Infrastructure                                       |                    |
| 09/2016 – 12/2017 | <b>Intel Corporation</b><br>Security QA Engineer/Intel Security Expert<br>- Perform Security Validation against Android OS using positive and negative testing techniques, Physical Devices (tablets / phones prototypes) | Bucharest, Romania |
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### Intel Corporation – outsourced by RINF

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|-------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------|
| 07/2012 – 09/2014 | Security QA Engineer<br>- Perform Security Validation against Android OS using positive and negative testing techniques | Bucharest, Romania |
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### Dell Services

|                   |                                                                                                         |                    |
|-------------------|---------------------------------------------------------------------------------------------------------|--------------------|
| 08/2010 – 07/2012 | Testing Engineer Analyst<br>- Perform functional validation against a Java Project<br>- Test Automation | Bucharest, Romania |
|-------------------|---------------------------------------------------------------------------------------------------------|--------------------|

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## PENETRATION TESTING related ACTIVITIES

|                |                                                                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2012 - present | <b>Penetration Testing and Vulnerability Management engagements</b> for US, European and Middle East clients (Healthcare institutions, Financial institutions, Assurance companies etc.) |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- **Targets:** Network (corporate wired and wireless), Web Application and Mobile applications (running on Android and iOS), Cloud based Applications, API, Physical devices (medical, smartwatches etc.)
- **Methodologies:** OWASP Top 10, NIST, OSSTMM and ASVS
- I have developed open source projects for fuzzing Android intents (see github references: BIFUZ and fuzzinozer), and also automated scripts in Python and bash for speeding the reconnaissance phase

|                   |                                     |
|-------------------|-------------------------------------|
| 06/2018 – present | <b>Cobalt core team (cobalt.io)</b> |
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## PROFESSIONAL AFFILIATIONS

|                   |                                                       |                    |
|-------------------|-------------------------------------------------------|--------------------|
| 2016-             | GIAC Advisory Board Member                            | SANS               |
| 10/2008 – 07/2011 | Electrical Engineering STudents` European assoCiation | Bucharest, Romania |

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## EXTRACURRICULAR ACTIVITIES

|                   |                                                                    |                    |
|-------------------|--------------------------------------------------------------------|--------------------|
| 10/2013           | <b>Intel Corporation</b><br>Cyber security Awareness Month         | Bucharest, Romania |
| 10/2007 – 12/2011 | <b>Ideas and Projects Workshop</b><br>Co-Organizer, Teacher, Guide | Romania            |

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## HONORS/AWARDS/CERTIFICATIONS

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|---------|--------------------------------------------------------------------------|-------------------|
| 07/2022 | <b>GIAC Security Expert (GSE)</b><br>License Analyst #298                | SANS              |
| 03/2021 | <b>Certified Red Team Professional (CRTP)</b><br>Credential ID: 29626920 | Pentester Academy |
| 06/2018 | <b>GIAC Security Essentials (GSEC)</b><br>License Analyst #43065         | SANS              |
| 03/2018 | <b>GIAC Certified Intrusion Analyst (GCIA)</b><br>License Analyst #12789 | SANS              |

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| 08/2017 | <b>GIAC Web Application Penetration Tester (GWAPT)</b><br>License Analyst #6269                                                                 | SANS                                 |
| 03/2017 | <b>GIAC Certified Incident Handler (GCIH)</b><br>License Analyst #29147                                                                         | SANS                                 |
| 10/2016 | <b>GIAC Exploit Researcher and Advanced Penetration Tester (GXPN)</b><br>License Analyst #991                                                   | SANS                                 |
| 07/2016 | <b>GIAC Penetration Tester (GPEN)</b><br>License Analyst #10551                                                                                 | SANS                                 |
| 12/2015 | <b>Offensive Security Wireless Professional</b><br>Offensive Security                                                                           | Offensive Security                   |
| 11/2015 | <b>Cybersecurity Specialization</b><br>Coursera Verified Certificate: 8JX3WYEQJ5NC                                                              | University of Maryland, College Park |
| 07/2015 | <b>Offensive Security Certified Professional</b><br>Offensive Security                                                                          | Offensive Security                   |
| 04/2015 | <b>Cryptography</b><br>Coursera Verified Certificate: ZCXFQBKSYW                                                                                | University of Maryland, College Park |
| 03/2015 | <b>Hardware Security</b><br>Coursera Verified Certificate: 9V4VM5MM8B                                                                           | University of Maryland, College Park |
| 2015    | <b>OTC Division Recognition Award</b><br>Leading the industry in securing Android devices                                                       | Intel Software & Services Group      |
| Q4/2014 | <b>OTC Division Recognition Award</b><br>Delivering Lollipop OTA software update for Intel RDA-based devices within two weeks of Google release | Intel Software & Services Group      |
| 11/2014 | <b>Software Security</b><br>Coursera Verified Certificate: KPU8FN46K7                                                                           | University of Maryland, College Park |
| 10/2014 | <b>Usable Security</b><br>Coursera Verified Certificate: SJWJG9FFTW                                                                             | University of Maryland, College Park |
| 03/2014 | <b>Programming Mobile Applications for Android Handheld Systems</b><br>Coursera Verified Certificate: J36UZNNMEL                                | University of Maryland, College Park |
| 12/2013 | <b>DefCamp – Capture The Flag contest – Third Prize</b><br>Team: NSA                                                                            | Bucharest, Romania                   |
| 06/2013 | <b>An Introduction to Interactive Programming in Python</b><br>Coursera Verified Certificate: F2ENS9VV52                                        | Rice University, TX                  |
| 06/2012 | <b>ITIL FOUNDATION (2011)</b><br>License: GR750028587RI                                                                                         | Bucharest, Romania                   |
| 05/2012 | <b>Comptia Linux+ / LPI</b><br>LPIC-1: License LPI-ID: LPI000239854 / 26jgl6fpej<br>Comptia Linux+: License 5NKPCDN1RGF12LY0                    | Bucharest, Romania                   |
| 12/2011 | <b>ISTQB (R) Certified Tester, Foundation Level</b><br>License 11-CTFL-1773-SEETB                                                               | Bucharest, Romania                   |

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10/2010- **University POLITEHNICA of Bucharest**

10/2012 Cisco Certified Network Administrator 1, 2, 3, 4

Bucharest, Romania

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### LANGUAGES

- Other than English – French, German

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### Open Source Projects I have been involved to:

- Yocto Project: <https://www.yoctoproject.org> – QA Engineer
- EFS-Tools: <https://github.com/catalinonita/Ecryptfs-Tools-for-Android> - QA Engineer & Wiki
- **Broadcast Intent Fuzzing Framework for Android (BIFUZ)** - <https://github.com/fuzzing/bifuz>
  - FOSDEM 31 Jan - 1 Feb 2015 – Brussels, Belgium
  - MOSS 4 Mar 2015 – Bucharest, Romania
  - Intel SECCON 12-13 May 2015 – Santa Clara, California
  - DEVTALKS 11 June 2015 – Bucharest, Romania -  
[https://www.youtube.com/watch?v=0aD2\\_ULhwko](https://www.youtube.com/watch?v=0aD2_ULhwko)
- **Intent Fuzzing module for Drozer (fuzzinozer)** - <https://github.com/mwrlabs/drozer-modules/tree/master/intents>
  - OWASP EEE 9th October 2015 - Bucharest, Romania
  - DEFCAMP 19-20 November 2015 - Bucharest, Romania -  
<https://www.youtube.com/watch?v=wX2mr7BxC9Q> – Talk  
<https://www.youtube.com/watch?v=kGPrsYOVwjU> – Demo
  - CCC (32C3) - 27-30 December 2015 – Hamburg, Germany -  
<https://www.youtube.com/watch?v=iQ1j8KO8UDI>

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### INTERESTS and HOBBIES

- Information Security
- Mobile Operating Systems
- Cutting-edge Technology
- 3D printing
- Geocaching