

## SUMMARY

System, Network, Web and Mobile VAPT Ethical Hacking, Penetration Test, Vulnerability Assessment, Security Audit. Extensive knowledge of Intelligence and investigation principles and methods. Cyber-Security, Cyber-Crime, Cyber-Conflicts, Cyber-Warfare, Cyber-Terrorism, Cyber-Attacks. Former Team Leader of Telecom Italia's Tiger Team. Digital/Computer Forensics expert for police and corporations. Experience in Fraud Management and Computer programming. Standards OSSTMM, OWASP, NIST, PTES, SANS, PCI-DSS. Bash/Python programming, Linux/Unix administration. Member of Mensa (Mensa Italia 3901). I've lived in Italy, Brazil, Saudi Arabia, USA and Singapore, and worked in Bolivia, Brazil, Cuba, France, Italy, Mexico, Peru, Qatar, Saudi Arabia, Singapore, Spain, UK, USA and Vietnam with Banks, Telcos and Police/Government entities. English C2. Spanish C2. Italian C2. Possible authorization for the NOS / Security Clearance (no criminal record / no criminal inclinations).

## PRESENT POSITION

Developer of INFRA, the VAPT vulnerability scanner and exploitation framework. INFRA is an automated solution that leverages Machine Learning for ethical hacking and intelligence of servers, IoT, Clouds and web applications. Using a database (to find old vulnerabilities) and fuzzing (to find new undisclosed vulnerabilities) and validating with automated hacking (to avoid false positives), it is possible to eliminate human errors, maximizing reliability. Supported by top accelerators such as Mach37, Singularity University and Cylon, INFRA received investments from Singtel Singapore Telecommunications, National University of Singapore, the Virginia Government's Center for Innovative Technology and the Erie Innovation District of Pennsylvania and is validated by Telcos like Telefonica, Hanoi Telecom and Singtel, and government entities in North America, South America and Asia. [www.infrascan.net](http://www.infrascan.net)

## CAREER

2016 - 2020 - Intelligence Framework INC in the USA CEO/CTO, consultancy and developing INFRA.  
2015 - Seed Security LLC in the USA, CTO, Penetration Test and teaching in Spain, Peru, Qatar.  
2014 - Deloitte in Spain, Team leader VAPT Penetration Test and Vulnerability Assessment, Web applications, Mobile Applications, big networks, PCI-DSS, teaching Ethical Hacking (CEH).  
2013 - A2 SECURE in Spain, Team leader VAPT Penetration Test and Vulnerability Assessment, Web applications, Mobile Applications, big networks, PCI-DSS, teaching Ethical Hacking (CEH).  
2012 - Intelligence consultant McAfee in Saudi Arabia, CyberWar Forensic/Crime Investigator for the biggest hacker attack in the history of the Internet. My contribution was essential to solve the case.  
2011 - Intelligence consultant for Italian national law enforcement agencies; working with Carabinieri (Italian military police), Investigative Police, Counter-Terrorism and Guardia di Finanza (Italian military Police for economic frauds). Forensics, custom viruses, wiretapping and microscopy.  
2007 - 2010 - Security Division SRL in Italy, CTO, Team leader VAPT Penetration Test and Vulnerability Assessment, Forensic and Security Consultant, Computer Forensic, Intelligence, malware searching, SOC, Windows and Linux administration.  
2003 - 2007 - Telecom Italia, Team Leader VAPT Penetration Test and Vulnerability Assessment, Forensic, Tiger Team/Red Team, intelligence and Fraud Management (SEC.G.I.S, SEC.T.I.S, SEC.F.M., Tiger Team. Rome, Italy). Intelligence, Penetration Testing for partners and clients of Telecom Italia in Italy and Brazil.

**TEACHING**

2018 - Professor of Cyber Security, Seguval - Universidad del Valle de Atemajac Mexico.  
2014 - Teacher of Ethical Hacking, Deloitte, Barcelona, Spain.  
2013 - Teacher of Ethical Hacking, A2Secure, Barcelona, Spain.  
2008 - Guest Professor - "La Sapienza" University of Rome "Investigation" course, "Criminal Anthropology" department. [www.uniroma1.it](http://www.uniroma1.it)  
2007 - Speaker - February 20 - "La Sapienza" University of Rome "Sicurezza Mobile". Andrea Bodei – "Secure Communication and Crypto Mobile". [www.xakep.it](http://www.xakep.it)  
2005 - Teacher - Zone-H.org Seminars "Hands on Hacking" Teacher and assistant in Italy and Estonia.  
2004 - Speaker - "La Sapienza" University of Rome "IT & Law" Speaker: Andrea Bodei "Simplicity of making an attack". I exposed some famous hacked sites analyzing techniques. [seco.di.uniroma1.it](http://seco.di.uniroma1.it)  
2003 - Speaker - "La Sapienza" University of Rome "SecurITy@uniROMA1" Speaker: Andrea Bodei "Defacement, analysis of the most common digital crime". Demo: Attack skills presentation and examples. <http://twiki.dsi.uniroma1.it/pub/Remus/WebHome/>

**EDITORIAL**

2019 - Interview at La Vanguardia (daily newspaper), Spain.  
2019 - Interview at Economy / Panorama (magazine), Italy.  
2018 - Interview at Erie News Now (WICU-TV channel 12 NBC network), Pennsylvania, USA.  
2018 - Contributor to "Milano Finanza" (daily business newspaper), Italy.  
2010 - Contributor to the magazine [www.mensiletechnet.it](http://www.mensiletechnet.it)  
2006 - Editorial Staff Criminologia.org (Rome, Italy). News and courses. [www.criminologia.org](http://www.criminologia.org)  
2002 - Editorial Staff of ZoneH.org. Advisories, News and Exploits.

**BUSINESS EDUCATION**

University of Pennsylvania - Crowdfunding - Certification  
Università Bocconi - Private Equity and Venture Capital - Certification  
University of Barcelona - Entrepreneurship (Emprender la emprendeduría) - Certification  
University of New Mexico - International Business - Certification  
University of New Mexico - Strategic Administration - Certification  
University of New Mexico - Entrepreneurial Strategic Management - Certification  
University of New South Wales (UNSW Sydney) - Startup Validation - Certification  
Pontificia Universidad Católica de Chile - Lean Project Management - Certification  
National University of Singapore, Singtel, ICE71, Cylon - Startup Acceleration Program  
Singularity University, Erie Innovation District - Startup Acceleration Program  
Center for Innovative Technology, Mach37, Government of Virginia - Startup Acceleration Program  
University of Michigan - Critical Thinking in the Information Age - Certification  
Universitat Autònoma de Barcelona - Digital Humanities - Certification  
Università di Roma I, La Sapienza - Theories and Techniques of Mass Communication - Exam  
Università di Roma I, La Sapienza - Public Law - Exam  
Università di Roma I, La Sapienza - Social Psychology - Exam (with honors)  
Università di Roma I, La Sapienza - Sociology - Exam  
Università di Roma I, La Sapienza - English - Proficiency

## SECURITY/TECH EDUCATION

Universidad del Valle de Atemajac, UNIVA/Segurvall - Terrorism and Counterterrorism - Master  
Universiteit Leiden - Terrorism and Counterterrorism - Certification  
Erasmus University Rotterdam - International Security Management - Certification  
State University of New York - International Cyber Conflicts - Certification  
University of London - Information Security - Certification  
West Virginia University - Forensic Accounting and Fraud Examination - Certification  
Hong Kong University of Science and Technology - Information Systems Auditing, Controls and Assurance  
University System of Georgia - Cybersecurity and the Internet of Things (IoT) - Certification  
Università di Roma I, La Sapienza - Criminology - Exam  
Università di Roma I, La Sapienza - Computer Technology - Exam (with honors)  
Università di Roma I, La Sapienza - Multimedia Publishing - Exam  
Yonsei University - Transmission Control Protocol/Internet Protocol - Certification  
John Hopkins University - Unix Workbench - Certification  
University of Edinburgh - Digital Footprint - Certification  
EIT Digital - Cybersecurity Awareness and Innovation - Certification  
EIT Digital - Privacy - Certification  
Information Technology Security Fundamentals Certification BB  
Network Security Certification BB, NCSA - CS-332 - Windows Server - Certification  
Unix Administration Master BB, Linux Administration Certification BB  
NCSA - Computer Technical Support Certification, CH-111 - Computer Hardware Technician - Certification  
NCSA Information Technology Terminology Master. CH-101 - PC Basics Certification  
Coursera - Web Application Security Testing with Burp Suite - Certification  
Coursera - Web Application Security Testing with Owasp ZAP - Certification  
Linkedin - Security Testing: Vulnerability Management with Nessus - Course

## SOFTWARE

Network VA: INFRA, Qualys Guard, Tenable Nessus, OpenVAS/Greenbone, Rapid7 Nexpose/Insight  
Web App/ServicesVA: Acunetix WVS, Burp Suite, OWASP ZAP, HP Webinspect, IBM Appscan, w3af  
Network Penetration Test: INFRA, Core Impact, Immunity Canvas, Rapid7 Metasploit, BackTrack/Kali  
URL Manipulation: Burp Proxy/Suite, Vega, OWASP ZAP, Paros, Priamos, Spike, Acunetix WVS, w3af  
DataBase Security: AppSecurity AppDetectivePro, SafetyLabs DBS, Inguma, SQLninja, SQLmap, Havj  
Password guessing: THC Hydra, Brutus, HP/SPI WebBrute, IBM Authentication Tester, Wfuzz, nmap  
WiFi test: Wifite/Aircrack-ng, airtools, Kismet, NetStumbler, WirelessTools, BackTrack/Kali, Core Impact  
Network Analysis: Ethereal/Wireshark, Tcpdump, Ettercap, Dsniff, Cain & Abel, Nagios, Snort IDS  
Computer Forensic: EnCase, TCT/S!euthKit/Autopsy, AccessData FTK, dd/dcfldd/dc3dd, air-imager  
Password cracking: John the Ripper, LophtCrack (LC5), Crack, Cain, Passware  
RevEng/Debug/Code Review: OllyDBG, HexEditor, Parasoft .TEST, HP/Fortify RATS/SCA, Flawfinder  
Encryption: Veracrypt/BitLocker/LUKS-dm-crypt/ecryptfs, OpenVPN/PPTP/L2TP, GPG/PGP  
Custom Virus: Keylogging, screenshot, autoupdate, DNS redirect, Skype, antivirus/firewall, encryption  
System administration: MS Windows, Linux, BSD, Apache, MySQL, Postfix, PureFTPd, SSHd, Netfilter  
Virtualization: VMWare, QEMU, Sun/Oracle VirtualBox, wine/crossover, Docker, Kubernetes, AWS  
WebApp admin: Joomla, Prestashop, MediaWiki, Roundcube, PHPmyadmin, JIRA, OpenProject