

# Evan Tedeschi

SECURITY SOFTWARE ENGINEER · CYBERSECURITY EXPERT



*"No one has ever worked hard enough to skate with the Soviet team for an entire game. Gentlemen, we are gonna work hard enough."*

## Experience

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### UN World Food Programme

*Rome, Italy*

HEAD OF IT SECURITY ADVISORY

*Mar. 2020 - present*

- Team management (6 units), introduction of the agile methodology and standard tools for communication and knowledge sharing
- Standardization of all operations, introduction of the information security categorization and security requirements
- Introduction of the cyber-risk management framework, threat model and authorization to Operate (ATO)
- Design of security solutions including HSM, software defined WAF, hardware WAF, remotely managed dockers hosting, automation of vulnerability management in the Cloud, Cyber-security lab, quarantine procedure for incident response in the cloud and on-premise, static code analysis, cyber-security dashboard
- In cooperation with relevant branches, the team drafted new policies for Cloud Adoption, information security, authentication principles, shadow IT applications, secure code developments
- Contributed in drafting TOR and participating in job interviews to identify possible candidates
- Draft and finalize RFP for new LTAs on pen-tests, Code review, privacy tools, new developments and safe hosting

### UN World Food Programme

*Rome, Italy*

IT SECURITY OFFICER

*Aug. 2017 - Mar. 2020*

- Defined standards for DPIAs with relevant stakeholders
- Process design for collecting PIIs of beneficiaries in Iraq government, Somalia CO and Lebanon
- Represented WFP cyber-security with NGOs and agencies among them OXFAM, UNHCR, and SARC (Syrian Arab red crescent)
- Mission in Damascus, Syria to contribute in creating the technological standard for the beneficiary targeting exercise
- Mission in Yemen to assess security of the operations in the CO
- Mission in Venezuela to assess security of the operations in the CO
- Mission in Beirut to design a solution for beneficiary data collection
- Attended a workshop in Bangkok to contribute in defining security standards for beneficiary data collection
- Acted as subject matter expert for security engineering of IT solutions and data protection
- Introduction of the static code analysis of the source code
- Represented TECI in the TEC Architectural Board, Audit and AWS Cloud governance framework
- Introduced LTA for application security reviews and penetration tests
- Designing and implementing the TECI Lab: an AWS environment to perform vulnerability management and incident response, a detonation network and a quarantine procedure to isolate infected machines
- Hardware security module (HSM): acquisition process and implementation design to address the strong encryption needs of the organization.

### Data Protection Adjunct Professor

*Milan, Italy*

POLITECNICO - UNIVERSITY OF MILAN

*Jan. 2017 - PRESENT*

- Lessons topics: Data protection techniques, GDPR compliance, Incident Response, IR Simulations, Encryption, Anonymization, Intruder test, Pseudonymization strategies, Big Data, secure networking architecture, penetration testing basics, data sharing framework, segregation of duties and privacy by design.
- Member of the Data protection Scientific Committee: responsible for decisions on the Master in data protection, Data protection research, Scientific application of data protection, Legal framework of data processing

### Defenx

*London*

HEAD OF SECURITY PRODUCTS

*Jan. 2017 - Jul. 2018*

- Definition of the cloud strategy for the AIM stakeholders (London Stock Exchange)
- Definition and strategy of the cloud and security products
- Managing complex relations with strategic partners and customers
- Speaker of 20 events on computer security for the Turin Chamber of Commerce
- Responsible for the GDPR Compliance integration design and technical negotiation with Dylog, Medical Informatics, Western Digital, Turk Telecom and Kazak Post

## Memopal

PRINCIPAL WEB ENGINEER, TEAM LEADER AND PRODUCT MANAGER

Italy, Turkey, USA

Sep. 2009 - Feb. 2017

- Full stack design of the Cloud storage solution to scale up to 5 Petabyte and 3 geographical locations
- Design and implementation of production processes
- Design and implementation of on-line sales solution
- Development of the web applications for online file management.
- Implementation of a stored procedure for the database cluster
- 2010 - Palo Alto (CA) - Cloud Storage integration with Google ChromeBook
- 2011 - San Cosè (CA) - Hitachi Global Storage backup (TOURO)
- 2012 - Istanbul, Turkey - Data center design, data migration and integration with Turk Telekom (TTNET 4.5M subscribers)
- 2013 - Tettngang, Germany- Integration with Avira AV (80M users)

## Apple App Store, Poste Italiane, Telespazio, University of Rome

Italy

DEVELOPER

Jul. 2005 - Jun. 2009

- 2009-2011 iOS Developer on the app store, with about 500,000 applications downloaded in June 2011.
- 2009-2011 iOS developer for private companies like Musicbox SKY, DADA Play.me TV, University of Rome La Sapienza
- 2005-2007 Freelance consulting on networking and software development
- 2004 - Online image sales platform for Telespazio
- 2001 - High availability firewall cluster for POSTE ITALIANE.

## Skills

<b>Security architect</b>	Security Audit and Incident Response with major Antivirus Companies
<b>Project manager</b>	10-year experience, SCRUM, Agile Development and Lean Product Management
<b>Scientific Background</b>	Computational linguistics, data scientist, genetic algorithm and parallel computing.
<b>Professional Speaker</b>	Security Conferences on IT Security, Data Protection and GDPR
<b>Programming Skills</b>	PHP, Javascript, SQL, HTML5, LESS
<b>Languages</b>	Fluent English, Spanish and French not so bad

## Education

### Physics Master Degree - Parallel computing applied to genetic algorithms

Rome, Italy

ROMA TRE, ROME, ITALY

May 2007

- Studies on genetic algorithms for the development of a post-seismic deformation model on a MPI cluster to analyze the effects of the Sumatra earthquake with a model based on Darwin's theory of natural selection to reconstruct patterns of genetic evolution. Further studies on chaos theory and their applications to differential equations and number theory

## Presentations

### Master: Data protection

Politecnico - University of Milan

LESSONS:

2019, 2020

- Information security basics
- Incident response
- Workshop Incident Response, Data breach Simulation and APT
- Privacy concerns for Big data and IoT
- Privacy by Design and by default
- Advanced persistent threat
- New scenarios for data protection

### Public conferences - online events

Europe

TALKS

2017-2020

- Codemotion Rome 2018
- Codemotion Amsterdam 2018
- GOTO Berlin 2018
- Campus Party Milan 2018
- CSP NetWork 2018
- Defenx Stock market Roadshow 2017