

## PERSONAL INFORMATION



## Tal Melamed

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| Date of birth 12/1982 | Nationality Israel | USA Permits: SSN, EAD

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*I specialize in Application Security with more than 15 years of experience in Serverless, IoT, mobile and web services technologies. I strongly believe the key to security excellence is proper education. I have been passionately committed to working, sharing, teaching and lecturing in the field of information security for more than a decade.*

## CURRENT POSITIONS

2018–Present

### Director of Security Research

Protego Labs (USA) | <https://protego.io>

Leading the security research and management for Protego Labs, a serverless cybersecurity startup. Specializing in AWS Lambda and serverless technologies. Providing practical solutions, educational materials and thought leadership. Design and implementation of security controls. Carrying the organizational through the required information security governance and technology research.

2015–Present

### Project Lead

OWASP Foundation (USA) | <https://owasp.org>

**OWASP Serverless Top 10** ([owasp.org/index.php/OWASP\\_Serverless\\_Top\\_10\\_Project](https://owasp.org/index.php/OWASP_Serverless_Top_10_Project)); Creator and leader of the project, aiming at educating practitioners and organizations about the consequences of the most common serverless application security vulnerabilities, as well as providing basic techniques to identify and protect against them.

**DVSA** ([github.com/owasp/DVSA](https://github.com/owasp/DVSA)); Creator and leader of the project. A deliberately vulnerable application aiming to be an aid for security professionals to test their skills and tools in a legal environment, help developers better understand the processes of securing serverless applications and to aid both students and teachers to learn about serverless application security in a controlled classroom environment.

2019–Present

### Adjunct Professor

Quinnipiac University (CT, USA) | <https://qu.edu>

Adjunct professor in the MS Cybersecurity program:

<https://quonline.quinnipiac.edu/online-programs/online-graduate-programs/ms-in-cyber-security/>

Teaching the following course: Security Architecture, Secure Engineering and Security Testing.

## PUBLICATIONS

2016–Present

**DEF CON, DerbyCon, OWASP, BSides** and many more. List of engagements: <https://appsec.it/talks>

2018

Tal Melamed, "An active Man-in-the-Middle Attack on Bluetooth Smart Devices," *International Journal of Safety and Security Engineering*, Volume 8, Issue 2, 2018.  
<https://www.witpress.com/elibRARY/sse-volumes/8/2/2120>

## PAST EXPERIENCE

2013–2018 **Technical Director, Security Services** | **AppSec Labs** (Israel) | <https://appsec-labs.com>

Responsible for the research and the creation of new content for training courses in Application Security. Delivering training courses and specialized training activities to ethical hackers, developers, and system architects worldwide (<https://appsec-labs.com/training/>). Leading and executing security projects (software and architecture security, SDLC, threat-modelling, risk assessment, etc.) for AppSec Labs customers. Technical direction of AppSec Labs consultants and customer facing activities.

2017–2018 **Cyber Security Expert** | **Fondazione Bruno Kessler (FBK)** (Italy) | <https://ict.fbk.eu>

Development of innovative cyber-security solutions and customize them to the scenarios of interest for the projects under consideration. Design and development of cyber-security training activities for organizations and professionals. Management of projects and interns.

2017–2018 **Security Researcher, Red Team** | **Synack Inc.** (USA) | <https://www.synack.com/red-team/>

A private network of Elite security researchers. Synack Red Team (SRT) offers discoveries and exploitation management for some of the biggest brands in the world.

2011–2013 **Sr. Information Security Analyst** | **Amdocs Ltd.** (Israel) | <http://www.amdocs.com>

Hands-on penetration testing, organization security awareness, implementation of security fundamentals and mitigations, according to the organization requirements. Development of tools for security testing and automation to support the security team.

2009–2011 **Security Researcher** | **CheckPoint Software Technologies Ltd.** (Israel) | <https://www.checkpoint.com>

Research, design and implementation of security contents for the DLP (Data Loss Prevention) system in compliance with the standards requirements *PCI*, *HIPAA*, *PII*, etc. Implementation of data signatures; development of the operative model suitable for the control and management of the DLP, to prevent the leakage of in/outgoing organization data, under the HTTP/S, SMTP and FTP protocols.

2006–2008 **Intelligence Analyst** | **RSA Security** (Israel) | <https://www.rsa.com/>

Prevention of internet frauds for worldwide banking and financial institutions (e.g. *UniCredit*, *BofA*, *HSBC*, *Barclays*, *Citigroup*, *RBS*, *JPMorgan Chase*, *E-Trade*, *ING*, *Banco Santander*). Analysis and monitoring of fraudulent/ Phishing websites and Trojans targeting client; communication methods, rootkits, attack techniques, data manipulation, etc. Forensics analysis for malicious websites and files, in order to retrieve stolen financial data and to trace the events and the causes that led to the internet fraud attack. Research for anti-fraud solutions and tools to be integrated into production.

2001–2004 **Staff Sergeant (NATO OR-6)** | **Israel Defense Force (IDF)** (Israel)

Intelligence collection and analysis; coordination with the intelligence corps, reviewing of target maps aerial photography for course of action.

Logistics management of operations; delivering weapons, vehicles and other equipment necessary for the operation. Coordinating with other participating forces.

Preparation training; preparing the platoon for the operation regarding the modes of action, and possible threats in the field; Creation, direction and analysis of critical scenarios and incidents related to the operation and guidance of the platoon resolution strategies.

Commanders' course sergeant; election for excellence to train future commanders in the Infantry Corps. Responsibility for the preparation, management and delivery of the training program for the role of operative-commander in the Infantry and Paratroopers Brigades.

**EDUCATION**

- 2019-2020 **M.Sc. Cybersecurity**  
Quinnipiac University (CT, US)
- 2007-2011 **B.Sc. Software Engineering**  
Shenkar College of Engineering and Design (Israel)

**PERSONAL SKILLS**

Mother tongue(s) Hebrew

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Italian	B2	B1	B2	B2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user. [Common European Framework of Reference for Languages](#)

**Communication**

Excellent interpersonal and collaborative skills gained, thanks to:

- the planning and design and management of complex projects within various work groups
- attending customers from various industries with different standards and methodologies
- the role of trainer and educator both in the private and in the military spheres
- the experience gained as a frequent public speaker

**Leadership**

Great leadership in the organization and coordination of teams, acquired through:

- thought leadership within the organization and in the public security community
- leading subordinates in high-pressure, high-risk environments both in the private industry and in the military environment
- leading technical teams to success through knowledge, trust, while insisting on high standards
- the planning, design and ownership of projects within different work groups
- the attentive relationships with colleagues and the networking group
- the organization, coordination, tutoring and training for both group and individual professionals
- sharing knowledge and encouraging the development of others to achieve specific team goals

**Customer Trust**

Considering myself as a customer-oriented professional and being trusted by customers, due to:

- more than five years of customer-facing and customer service leadership roles
- following customer requirements without compromising on the quality of the work
- being result driven and time sensitive while insisting on the highest standards