

Jacob Mendel, Ph.D.

e-Mail: jacob4x4@gmail.com

Mobile: +972.544.547.369

SUMMARY:

An accomplished executive with over two decades of experience in Emerging Businesses, specializing in the fields of Cyber Security (Software & Hardware), Marketing, Business Development, Program & Product Management and High-end Cyber Security engineering. History of leading innovative products into mass market and increasing the profitability of hardware and software solutions. Known for creative approaches to problem solving, exceptional leadership, advanced negotiation skills, and the ability to establish outstanding relationships with vendors and customers. Proven track records in Software security, Hardware security (eSE, TEE, SGX), Secure Operating Systems, Digital rights management (DRM), Machine learning (ML) security, Security certification (CC, FIPS, EMV), Red-Team, Penetration testing, HW & SW Reverse Engineering, Product Security Incident Response Team (PSIRT), Secure identity management, IoT security, ICS/Smart Grid, Cloud security, NFC (RF) security & applications, Blockchain, Secure software developing and Trusted Computing, Secure financial solutions and system integration. Intricate knowledge of applied cryptography with understanding of the underlying mechanisms. Profound knowledge of security protocols and an established experience in defining new security protocols. CEO/Co-Founder of a security software company which has been acquired by Broadcom. Holds a PhD in Economics from Poznan University of Economics and Business, Poland and Masters of Business Administration (MBA) degree from Ben-Gurion University of the Negev, Israel.

EXPERIENCE:

2016 – 2019 Managing Director, The Hogeg Blockchain Research Institute (2018), Tel-Aviv University, Israel Head of research cooperation with industries, Tel-Aviv University, Israel

- The institute research focus on applied blockchain technologies (including cybersecurity, scalability, interoperability and adaptabilities). The institute brings together engineering, law, economics and management, as well as post-docs, students, and visitors, to work on technology challenges in the field. The institute primary mission is to support the thriving ecosystem by developing advanced curriculum, new technologies and create use case with economic and cyber security focus. Beyond its research mission, the institute runs an extensive education and outreach program, including on-campus courses, workshops, seminars and conferences for the general blockchain community.
- The institute is committed to the research and application of blockchain technology in commercial and financial applications
- The institute is a worldwide leader in developing secure blockchain systems.

2016 – 2018 General Manager Cyber Security Center of Excellence, Intel Ltd Head of research cooperation with industries, Tel-Aviv University, Israel

- Building and managing the company worldwide cybersecurity groups (cybersecurity researches, HW & SW reverse engineering teams, product security development and evaluation, Managing the SGX R&D groups including the security validation), cloud security.
- Creating and implementing the cybersecurity strategy for advance technologies and business.
- Managing ongoing complex cybersecurity risk assessments.
- Achieving cybersecurity business goals.
- Handling security vulnerabilities and hacking threats (including Pen-Test).
- Maintaining a high level of technical expertise by a continuous learning process.
- Leading the Blockchain research and innovation group.
- Responsible for the delivery of intel cybersecurity solutions to the ecosystem.
- Complying with the latest cybersecurity regulations and compliance requirements
- Leading the cybersecurity organization educating and co-operation with the academia

**2011 – 2016 Senior Director, Cyber Security, CTO Office, Broadcom Corporation
Head of research cooperation with industries (2016), Tel-Aviv University, Israel**

- Building and managing an effective worldwide technical-cybersecurity teams.
- Achieving business goals is an inherent and significant part of my professional daily work. By constantly pushing forward my team, and myself we succeed in creating product innovations (including Patents) and embracing change to deliver secure products.
- Maintaining a high level of technical expertise by a continuous learning process.
- Managing the HW & SW security groups (IoT, Mobile).
- Managing the Cybersecurity: Red-Team, Pen-Test, PSIRT, IoT & Mobile application security.
- Develop and design innovative cyber security solutions for unique and complex technologies. Secure Code Development strategy and implementation.
- Cyber Security key resource domain. Trusted Computing, Cyber Threat Modeling, IDS/IPS, Application and System security management, encryption and advanced key management (KMS).
- Leverage advanced cyber security academic research and cooperation.

**1999 – 2011 SCsquare, Ltd.
Chief Executive Officer (CEO) / Co-Founder**

- Founded a business enabler for security technologies and integrated solutions in a global network; was responsible for the establishment of the company's vision, strategy and intellectual property.
- Created risk management practices for international projects based on smart card deployment in the financial and personal identification segments.
- Oversaw market analysis, monitored competitive activity and identified customer needs.
- Exercised leadership in the planning, designing and implementation of business plans.
- Managed the company's research and development.
- Established business partnerships, persuaded customers and increased market share.
- Experienced and knowledgeable of certification methodologies such as Common Criteria and FIPS 140-2.
- Excellent understanding of the limitations of cryptographic mechanisms, especially through attacks against their implementations
- Agile Cybersecurity Innovation in eID (ePassport, IL GOV, Serbia Gov.), PayPass (EMVCo payment system), XBOX 360 peripheral security
- Cross platform experience in the development of secure embedded system/application and an excellent understanding of low-level secure software and secure hardware mechanism.
- Defined and coordinated the security evaluation of the secure products with internal and external attack laboratories.
- Managing strong Cyber Security teams: PSIRT, Red Team/Penetration testing, cryptography, security evaluation methodologies and Reverse engineering

EDUCATION: PhD, Faculty of International Business and Economics, PUE
Thesis: The Economic Perspective on Smart Grid Cyber Security

Ben-Gurion University of the Negev, Israel
Masters of Business Administration (MBA), graduated cum laude

PATENTS: US9202070, US20130060934, US20130061097, US20130061290, US20130061328,
US20130094650, US9256734, US9069946, US9224013, US9165163, US9027124,
US 8549586, US20140325594, US9258287, EP 2584732 A1, EP 13004282.3-1505