

Idan levy

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Over the past 20 years I have played a key role in the strategy and innovation planning of startups and international corporates.

I have built and managed R&D teams of professional engineers that were responsible for multi-discipline systems across different platforms and involved in all the stages along the chain – starting with the MRD, design, Engineering & production with high collaborate with Marketing, QA, RA, and other relevant departments .

I'm interested in working for innovative technology companies that may enjoy & leverage my managerial and technological background.

Professional Experience:

Beyond-Sense – Non-Image Face Recognition Platform

2017-2021

AI Devices – Retail tech, Elderly, Smart home & Defense

CTO – IOT, Sensors, AI, Biometrics, SaaS, Algorithm, Full Stack, Hardware, Firmware, Image Sensors and Optics -

- Establish from my Idea to POC & Prototypes & Products.
- Built new team that include Algorithm developer (AI), Full stack developers, Mechanics, Optics...
- Collaborate with companies that work on same segment.
- Due diligence Involved for Angels, VCs, etc.
- Pilot In 7 shops at Israel and Poland.
- 10 provisional patents

EndoChoice – GI Industry – Acquired by Boston Scientific.

2013 -2017

Medical Devices –

Director R&D - Hardware, Firmware, Electro Mechanics, Image Sensors and Optics -

- Direct Manager of 12 engineers and Doctor of Optical, Board design, FPGA, Electro mechanical and Sensor capacities, as well as, consultants.
- Collaborate with manufacturing leadership for technology transfer and ensure stable production process.
- Lead the team to excellence by adding new skills: VHDL expertise, Board design, Optics, sensors and Wireless.
- Develop and sourcing new Imaging products and advance existing product to support the strategic plan.
- Collaborate with the global R&D team to improve the testing process include IEC & UL (60601), Halt & ESS and Optical testing.
- Elaborate new architectures to support flexibility of product in the future, include connectivity of FPGA & GPU.
- Elaborate research projects, to support new sensors and optics dynamic.
- Collaborate with IP (6 Patents), QA and RA (Regulation) departments to elaborate excellence products.
- Support V&V, Software and Mechanical, engineering and production departments.

Israeli Navy

2010- 2013

LTE 4 generation, ROIP

Group Leader – Integrated systems, Cyber, communication and encryption protocols, Data Science, Sensors, ANC, SaaS, LTE, ROIP.

- Managed outsourced Navy projects, from planning stage to field installation and implementation.
- Translated operational requirements from end users to technological requirements in RFI and RFP.
- Supervised the contractor in the execution of projects' stages according to the SOW, and dynamic requirement alterations in response to operational needs.

IDesia - Acquired by Intel

2008-2010

Biometric Recognition from ECG signals

Development Leader - Biometrics, Software agile management, hardware (ORCAD), embedded, ASICs by outsourced European based contractors.

- Managed 10 people in various software, hardware, mathematics and algorithm capacities, as well as, consultants.
- Planned and supervised execution of project stages, under budget & schedule constraints, using Microsoft Project.
- Acted as a hardware team leader, responsible for technological evaluation, and development in embedded systems. Utilized ORCAD software as part of the development process.
- Defined requirements and supervised the development of ASICs, by outsourced European based contractors.
- Defined system's software and mockup design requirements, and was responsible for integration between the various system elements.

Mobile-Max

2007-2008

Startup for turn-key solution and platform that allows Carriers to launch Mobile applications that include VoIP, IM, presence and call control capabilities

Hardware Team Leader - Software Agile management, hardware (ORCAD Pspice simulation), embedded, Cellular

- Managed 20 people in various software and hardware capacities, as well as, consultants.
- Technical manager (in matrix managed organization) of both software development (Embedded) department and the operations department.
- Managed subcontractors, in Hardware design, and worked with Chinese based manufacturers defining production requirements.
- Developed systems from MRD stage to the final product stage (including plastics).
- Hardware design using ORCAD and Pspice simulations, utilizing cost reduction techniques.

Silentium

2004-2007

Active Noise reduction technology

Hardware Development Engineer - Analog and digital board, ORCAD and Pspice simulation, CODEC, DSP, microphones and acoustics, QA.

- Developed analog and digital board designs using ORCAD and Pspice simulation. Specializing in CODEC, DSP, microphones and acoustics.
- Adapted components and board editing for Development to production stage, managing the contract with manufacturers and preformed manufacturing QA.
- Head of integration with software and off-the-shelf hardware components.

Intel Corporation

2000-2004

American multinational semiconductor chip Maker Corporation.

Practical engineer –

- Worked as an adhesion practical engineer in the Thin Film department, level 2 clean room.
- Conducted preventive maintenance of applied materials, adhesion tools.

Education:

Afeka College: Israel Institute of Technology – Tel-Aviv, Israel **2001–2004**

B.Sc. in Electrical Engineering

- Graduated with honors – with an average score of 91.
- Specialty at RF and control systems

Kziney yam Aco College: practical engineer – Acre, Israel **1993–1995**

- Graduated with honors – with an average score of 94
- Specialty at RF and microprocessor

Army

Reserve- Electronics Instructor **2000-2016**

Ammunition Center officer - Rank-Cpt. **1995-1999**

- Commanded 20 soldiers and 50 reserve soldiers and officers.
- Graduated officers' course.
- Served as submarine simulator technician and instructor.
- Certified: underwater systems technician – level D at maintenance and repair.

Skills

Language: Hebrew – mother tongue, English – high level

Courses: Flash, Photoshop, Matlab, C, C++, VHDL, advanced data communication, board design to cost at hi-tech college, project management – army course etc.

Utilities: Orcad, Altium, Assembler, Zemax, Modeler Altium, Office, Internet. (Extensive knowledge of hardware and software), Conducted cellular radiation measurements of cell sites

Cloud (Management)- JavaScript, Node.js, lambda on AWS servers, Vue.JS, MySQL, MongoDB, DynamoDB, and architecture Based Cloud Serverless.