

Zohar Hadad

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PROFESSIONAL SUMMARY

- **Embedded SW. Engineer** with 10+ years of experience developing high-reliability systems across various domains, Always striving to broaden my knowledge while deepening my expertise.
- Specialized in delivering full-stack embedded solutions: from low-level bare-metal firmware, all the way to high-level embedded Linux edge applications.
- Proven track record of taking products from PoC to production in fast-paced, safety-critical environments, across both early-stage startups, and large enterprises, as an IC and in leadership roles.
- Driven by a systems-engineering mindset: using the right tools to improve efficiency, model complex problems, and deliver reliable, maintainable solutions.

EXPERIENCE

Ramon.Space - Hod-Hasharon, Israel

- **Senior Embedded VRT Software Engineer** 11/2025 - Present
 - Lead development and optimization of embedded software for space satellite communication and signal processing systems.
 - Define software architecture and system-level design, ensuring compliance with space-grade performance, safety, and reliability standards.
 - Collaborate cross-functionally with system engineers and hardware teams to integrate embedded software into custom platforms.

Electreon Wireless - Beit-Yanay, Israel

- **Embedded Software Tech Lead** 10/2024 - 07/2025
 - Developed embedded Linux and RTOS production-stage applications, as well as prototyped multiple PoC projects for the automotive domain.
 - Implemented secure boot for Microchip SAM Linux platforms under the *ISO/SAE-21434* cyber standard.
 - Initiated and Led AI tools adoption, improving team velocity and quality.

SolarEdge - Herzliya, Israel

- **Embedded Software Tech Lead** 08/2023 - 10/2024
- **Senior Embedded Software Engineer** 09/2021 - 08/2023
- **Embedded Software Engineer** 04/2019 - 09/2021
 - Led development of an embedded Linux platform and application for an I-IoT gateway, using containerized microservices and edge comm. protocols.
 - Initiated, Designed and implemented a full simulation framework using Python and Docker to replicate multi-device network behavior, significantly improving development cycles velocity and quality.
 - Collaborated with system architects and hardware teams to align software architecture with business and regulatory requirements.
 - Mentored new engineers, defined coding standards, and contributed to SDLC and review processes across the embedded Linux group.

Algo - Ramat-Gan, Israel

- **Co-Founder, Software Developer** 08/2015 - 04/2019
 - Delivered end-to-end solutions for startups, from early PoC stages to certified, market ready products.
 - Responsible for software design, HW board bring-up, and application development
 - Meeting Regulatory Compliance - achieved FDA and FCC certifications, meeting stringent reliability and safety requirements (*ISO-13485*)

SKILLS

C, Python, C++;

Linux, RTOS (FreeRTOS, Zephyr), Bare-metal;

git, CI/CD, Jenkins, Containers (Docker);

AWS IoT Core, GCP, Balena;

Make, gdb, Valgrind, OpenOCD, Meson;

Protobuf;

Yocto, buildroot;

MQTT, IEC104, gRPC, REST;

UART, I2C, SPI, Modbus, CAN-bus, BLE;

STM32 (F,L), TI Sitara (AM6x), Microchip SAM, Raspberry Pi, ESP32, Arduino;

Oscilloscope, Logic Analyzer, Soldering;

EDUCATION

Ben Gurion University - Be'er-Sheva

10/2011 - 10/2015

B.S.C, Electrical & Computer Engineering.

Specializations: Computers and Power.

MILITARY SERVICE

Unit 81 - Intelligent corps.

12/2005 - 12/2008

Full Military Service, R&D team.

DAS (Data Acquisition Systems), Field and Lab Experiments.