Doron Raifman, Haifa, Israel.
Phone: +972 (54) 215-0430. Email: draifman@gmail.com. Linkedin: Linkedin.

After a significant career as a multidisciplinary VP R&D, mainly in startups with small teams, I prefer a full time job position as a full stack team/tech leader. Experience with scalable cloud applications.
I was deeply involved in the hands-on development of the projects.
Possess training and professional mentoring skills.

Professional Summary

Highly skilled development manager (software and hardware) with over 25 years of experience.
Proven ability to lead teams, architect complex systems, and deliver high-quality software solutions.
Proficient in Python, Flask, C# .Net, Java, C++ and Java Script/Type Script.
Strong background in machine learning, deep learning, signal processing, computer vision, data science, with experience in LLM, Keras, TensorFlow, Scikit-learn, OpenCV and IoT solutions.
Adept at working with AWS/Azure services, Docker, Kubernetes, and various SQL and NoSQL DB.

Education: Technion, Haifa Israel

B.Sc. Computer science and Electronics engineer

Professional Experience

VP R&D, Knight-Devs

Outsource Multidisciplinary Project Development.

2017–Present - Provided architectural and development oversight for various client projects, contributing a significant amount of the coding work. including:

- **Water Leak Detection IoT System**
  Developed an IoT system for discovering municipal water pipe leaks, utilizing cloud infrastructure and over 100,000 sensors. Implemented audio signal processing.
  Technologies used: Python and AWS/Azure services
- **Lasers Spectrometer**
  Developed a spectrometer using lasers beating @ Terra hertz, involving signal processing and data science techniques
- **GIS Systems**
  Designed GIS systems for municipal engineering departments, utilizing ArcGIS, QGIS, and data processing with Python
- **Artillery Radar Tracking Algorithm**
  Worked on artillery and autonomous car/train radar tracking algorithms
- **Communication Subsystem for Naval War Ships**
  Designed and implemented a communication subsystem for naval war ships with several radio channels (e.g. VHF, UHF, Satcom and HF)
- **ForkLifts usage IOT system**
  Measure RPM to identify working hours. Arduino, Raspberry pie, VPS server
- **Identify antibiotic effectiveness on specified bacteria**
  Computer vision, statistics and various algorithms
- **Ultrasound IOT**
  Measure passive ultrasound feedback for preventive cracks detection for various structures
  MCU, Compulab iMX8, VPS server, Elastic search
- **Cyber**
  Protect from malicious attack on protocols

Analytic Team Leader, Qognify (former Nice Security)

2016–2017 - Led a team focused on computer vision, data science, and machine learning projects using Python, C++, C#.Net, TensorFlow, and Keras.

VP R&D, Aquarius Spectrum

2015–2016 - Managed development of water leak detection mobile applications and servers using Java, Android, Linux cloud servers, and Apache Servlet.

VP Software R&D, BlueBird

2011–2015 - Led the design and development of ground station communication systems, UAVs, Com Boxes, video systems, and photogrammetry systems for aerial mapping and surveying.

VP R&D and Co-Founder, Quartet

2010–2011- Developed online bonds trading algorithms and 3D mapping solutions using air photography.

VP R&D, Defensoft

2006–2010 - Optimized sensor deployment for border and critical asset protection.

Division Development Manager and System Engineer, BVR Systems

2000–2006 - Led development of pilot training systems, including real-time embedded systems and 3D world simulations for military applications.