

ITAY MAROM

@ itaymar@gmail.com

☎ 0525424466

📍 Harav Yisahayahu Meshorer 18
Petah Tikva

🚀 Highlights

Awarded for Cisco's Pioneer Award for 2015

Patent Pending For High Scale Regular Expression Hybrid Matching Engine

Embedded Architecture

Operating Systems

Highly Multithreaded Systems

C++11

Python

Debugging

Fluent English

🔗 Profile

An experienced Technical Leader highly skilled at networking, datapath, Linux, embedded systems and performance. Proficient at C/C++11 and Python. Passionate about operating systems, design, performance, debugging and open source.

📁 Experience

○ **Cisco Systems** 2018 -

Senior Technical Leader

- A hands-on technical leader of team of 3 senior engineers.
- In charge of creating VNF environment for Cisco's DPI (Deep Packet Inspection) world leading engine as our transition to a cloud base software architecture.
- The solution has been successfully adopted by Cisco Umbrella, Cisco Meraki and Cisco's SD-WAN solution.

○ **Cisco Systems** 2015 - 2018

Senior Software Engineer

- Designed and developed multiple key parts of TRex - The Cisco Open Source Traffic Generator: A high speed traffic generation tool developed over DPDK.
- Awarded with Cisco Pioneer Award for 2015
- The work has been adopted by multiple companies such as Intel, Mellanox, Broadcom and others.

○ **Cisco Systems** 2012 - 2015

Realtime Embedded Engineer

- Designed and developed Cisco's scaleable regular expression hybrid engine
- Designed and developed multiple high speed highly concurrent DPI components
- Expert at architecture, highly paralleled and cache coherency lacking systems

🎓 Education

○ **Tel Aviv University** 2006-2010

B.Sc At Software Engineering

90 (Graduated With Excellence)