

# Tom Cohen

Senior Software Engineer

Tel Aviv, HaMerkaz IL

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## SKILLS

### Embedded Systems Engineering

Senior

C/C++ Firmware Hardware  
Drivers Linux  
Operating Systems

### Networks

Expert

TCP UDP IP Ethernet  
HTTP FTP Networking Stacks

### Windows and Browser Internals

Senior

WIN32 V8 Browser Internals  
Chromium Javascript Python  
Browser Extensions SQL

## WORK EXPERIENCE (3)

### Senior Software Engineer, Search Engine Monetization at IronSource

Mar 2018 - Mar 2021

Entrusted on the browser internals of the search engine monetization division we have created browsers, extensions and client based internal components.

- Designed and developed a high-security chromium-based browser
- Developed low-level client BI applications
- Created browser extensions providing multiple user services for BI, control and browser features
- Developed and integrated AdMob mediation networks for hyper-casual mobile games

### Senior Software Engineer, Linux Embedded Systems at ECI Telecom

Oct 2014 - Feb 2018

Being part of the industrial networking switches and high scale embedded systems team we have designed, developed and integrated industry standard, rigid, high-availability networking modules for enterprise use telecom and governmental industries.

- Managed the integration and rollout of highly fundamental hardware components
- Designing and developing for hardware/firmware components like FPGA
- Migrated multi-component systems from Linux to VxWorks

### Software Engineer, Center of Encryption and Information Security at IDF

Sep 2007 - Jul 2013

As part of the information security and encryption units I've had the opportunity to design and develop large-scale high-availability embedded systems and simulators.

- Designed and developed the networking system for the Iron Dome air defense system
- Integrated a large-scale multi-component Iron Dome's fire control system
- Planning and developing highly efficient and secure communication protocols over TCP/IP Networking stack
- Developed tooling and testing automation simulators

## EDUCATION (2)

### Military Qualified Engineer Software Engineering at School of Computer Professions

2007 - 2008

### Bachelor of Science (BSc) Computer Science at The Academic College of Tel-Aviv, Yaffo

2009 - 2013

## AWARDS

Head of C4I Directorate Award at Center of Encryption and Information Security, IDF

LANGUAGES

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Hebrew

*Full professional proficiency*

English

*Full professional proficiency*

Spanish

*Elementary proficiency*