

**Tomer Zach**

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### **Summary**

- B.Sc Electrical Engineering 4th year student in Tel Aviv University and RF System Integration engineer intern at Elbit system.
- Experienced with RF systems integration, verification & validation including hands-on and lab equipment.
- 3 years of experience in acceptance tests and QA reports, analysed entire system & product functionality components and built extensive test plans.
- Identified system requirements, characterized, and worked with R&D to assimilate.
- Team player, strong interpersonal skills, creative, curious, visionary, and motivated.

### **Education**

- 2016 - today – B.Sc Electrical Engineer 4th year student in Tel-Aviv University.
- 2006–2010 – “Blich” Ramat Gan high school.  
Full matriculation certificate. 5 units level in the following subjects: Math, Physics, English and Arabic.
- I studied in “Plan for the Gifted” during elementary school at “Hillel” – Ramat Gan.

### **RF System Integration Engineer, Student position - 2019 - today**

#### **Elbit Systems, Elisra - Sigint and EW**

- Built an extensive regression test plan which included hardware, firmware and software verification and validation.
- Took part in development of designing RF circuit boards (SMT) and improving performance.
- Conducted ATP/ATR tests and analysis on RF systems functionality in the aspect of Electrical Warfare such as Receiver Sensitivity, Transmitting Power, Noise and Dopler effect - both in the frequency domain and the time domain, using Spectrum Analyzer, Frequency synthesizer and Oscilloscope.
- Tested hands-on RF electronic circuits hardware and power supply boards, identified malfunctions, and solved them by ordering new components to replace or by coming up with better ones to improve performance.
- Defined firmware functionality by calculating and setting data into FPGA Registers in accordance with ICD description file.
- Formatted and Installed VXworks software on SBC's (Single Board Computer) operated by Intel.
- Made sanity checks during HASS & HALT tests (environment tests).

### **QA Engineer, System Specialist and Customer Success – 2016 – 2017**

#### **Allseated – Event Planning Platform**

- Built extensive test projects which included a variety of product parameters based on R&D requirements, such as Full sanity, Servers, Mobile and QA functionality.
- Initiated and organized detailed bugs documentation reports, including reproduction process, fixing prioritization, distribution to relevant R&D departments and follow up through solution process.
- Monitored new features and technology releases. Contributed product feature ideas.
- Initiated detailed documentation of critical workflow activities.
- Working in both local and global environment.

### **QA operator - 2014 – 2015**

#### **MyThings - online advertising solutions**

- Ensured quality of product implementation and modifications in customer sites; Worked closely with Professional Services and Project Managers to deliver fully tested solutions in live environments.

- Diagnosed web-embedded Java script tags through ASP.NET applications for efficient banner display (Re-Targeting), by using browsers sniffers and developer tools on different versions.
- Tested and qualified Database integrity; Full sanity client website tests; banners visual & functional QA.

**Military service – IDF 2010-2013 – intelligence corps – 8200 – "Sigint" interception.**

- 1 year as a team leader consisting of 4 soldiers. Administrative and professional responsibilities; including training, guidance, supervision and monitoring.
- Identified system requirements, characterized interface architecture and worked with R&D to assimilate the solution.
- Created a wide scale training curriculum from scratch.
- I was awarded Social-Excellency during the professional course for a classified job.

**Technical skills**

- Programming languages: C, Python, Arduino.
- Experience with lab equipment such as: Oscilloscope, Signal Generator, Multimeter.
- Familiar with GSM standard.
- MATLAB, PSpice, Logisim, help-desk, Segment, Test-Lodge, Mongo DB, Browser sniffers, MS office programs, Salesforce CRM systems.

**Languages**

Hebrew, English, Arabic and Spanish.

English: Fluent in reading, writing, and speaking.

Arabic: Fluent in Reading, writing, and speaking.

Spanish: Speaking – very advanced. Reading and writing – intermediate.

**Special projects: 2008-2010 (age 16)**

**"Young Entrepreneurs – Israel"** - a high school program.

I invented a product which was adopted by the project group. During the program I served as "CTO" and lead the product design, prototyping and manufacturing. In addition, I participated in distribution and marketing. Thousands of units were sold, and the main customer was "Kravitz". The team won 2<sup>nd</sup> place in the national tournament and received exposure in the media.

example:

Channel 11 report:

<https://www.youtube.com/watch?v=GTtdOn7HGuM>