

Curriculum Vita – Michael Stahl

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Current Position: Self-employed Consultant

World-class software testing expert with 25+ years of technical leadership in validation teams. Member of the ISO software testing standard group, lecturer at Hebrew University, Board Director at [ITCB](#) and active member in [ISTQB](#). A valued conference speaker and a columnist for [Testing World](#). Specializing in test process design, test strategy formulation, test process improvement and requirements management. Offers tailored training and hands-on consulting to software teams.

Experience

1990 – 2024: Intel Israel (74) LTD, Israel

▲ 2022 – 2024: **Principal Engineer / System SW Validation Architect / Regulatory Owner**, Medical device development

- Defined software verification and validation processes and methodologies.
- Managed requirements, implemented ISO 13485 Quality Management System (QMS) and secured FDA regulatory listing for the [PTMetrics](#) medical device.

▲ 2017 – 2021: **SW Validation Architect / Functional Safety Engineer** Security Engine FW Development

- Enhanced validation practices by defining methodologies, developing tools, conducting training, and improving SW security validation processes.
- Established development and testing processes in compliance with automotive standards (ISO 26262 and ASPICE).

▲ 2000 – 2017: **Senior Validation Engineer / SW Validation Architect**

- Contributed to various development organizations with expertise in testing methodologies, automation strategies, requirements management, tool selection, test planning, and SW testing theory.
- Technologies included: cable modems, Wi-Fi (802.11), smart TVs, graphics drivers, 3D cameras, and AI-based computer vision.

▲ 1990-2000: **Product Engineer / Senior Test Engineer**, Fab 8, Jerusalem

- Various engineering roles, including a year-long assignment at Intel's Arizona test plant in Arizona, USA.

1982-1989: Electrician / Electrical Contractor: Planning and Installation of electrical systems in residential homes.

General

- ▲ Israel Institute of Standards representative to International Standards Organization (ISO) JTC1/SC7 technical committee
- ▲ Liaison for [ISTQB](#) (International Software Testing Qualifications Board) to the ISO 29119 Software Testing working group.
- ▲ Executive board member, Israel Test Certification Board ([ITCB](#)).
- ▲ Holder of highest number of ISTQB certification in Israel: Foundation Level; Advanced Level: Management, Test Analyst, Technical Test Analyst; Expert Level: Test Automation; Agile Tester.
- ▲ Led an Intel Incubation team on an *image authenticity verification product* (Feb–Apr 2020).
- ▲ Member of the technical committee, [QA&Test](#) – a bi-annual test conference in Spain.
- ▲ Board of Directors member, Azrieli College of Engineering, Jerusalem (2018–2022); currently serving as a Board of Trustees member.

Patents

1. **Device, System, And Method Of Coordinating Wireless Connections**
USA Patent 7,865,196 - Issued January 4, 2011 (w/ Shlomo Avital)
2. **Device, System And Method For Data Transfer Optimization**
USA Patent 7,567,559 - Issued July 28, 2009 (w/ Tair Shapiro, Kevin Murphy)
3. **Method and apparatus for improving the upstream data transfer rate for a cable modem**
USA Patent 7,668,098 - Issued Feb 23, 2010 (w/ Tair Shapiro, Kevin Murphy)
4. **Wireless network awareness in appliances**
USA Patent 8,121,545 - Issued Dec 15, 2007 (sole inventor)
5. **Network controller Wake On Communications request**
USA Patent 8,238,279 - Issued Aug 7, 2012 (sole inventor)
6. **Techniques for Adjusting a Projected Image**
USA Patent 9,152,022 - Issued Aug 7, 2012 (sole inventor)

Teaching experience

Academic: Lecturer on Software Testing, 2-point course at Hebrew University's Computer Science Faculty (since 2010).

Professional:

- ▲ Delivered courses on software testing fundamentals, test design, work methodologies, and software requirements within Intel since 2008. Conducted ~150 training sessions, reaching over 3,000 attendees.
- ▲ Regular speaker at software testing conferences, both in Israel and globally.

Papers / Publications

Personal website: www.testprincipia.com – Features articles and presentations published at international conferences and magazines.

Looking for Trouble: Columnist on software testing topics for [Testing World](#), a Hebrew-language quarterly. Most posts are also available on my website.

Stickyminds.com: Contributed 23 articles to this popular platform for software testers.

EuroSTAR Huddle: [Software Test Plan Template Guide](#) eBook.

Education

BSc in Electrical and Electronic Engineering, Ben Gurion University in the Negev, Be'er Sheva, Israel. Graduated *Cum Laude*.

Completed **BA-level Computer-Science courses** at the Open University.

Licensed Electrical Technician (3x250A).

Programming Languages & Equipment

- **Languages:** Base proficiency in Python, C, C++, OpenCV, shell scripting.
- **Operating Systems:** Windows and Linux.
- **Lab & Network Equipment:** Skilled in using multimeters, oscilloscopes, spectrum analyzers, signal generators, traffic generators, sniffers, access points, and more.

Languages

- ▲ Hebrew: Native
- ▲ English: Fluent
- ▲ Swedish: Working knowledge

Miscellaneous

- Collector of hotels' Do Not Disturb signs (500+ items; always requesting permission before taking one...)