

Integration and Automation Engineer

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Summary

- **10 years of experience** as an **Automation and Integration Engineer** in **global high-tech companies - Intel, Maxlinear**
- An expert in **software testing** and **developing automated solutions** for **Embedded Systems**.
- Specializing in building **automation frameworks** in **Python** and performing **end-to-end testing**, including **system verification**, **API testing**, and **integration testing**.
- Proficient in **Jenkins**, **Jira**, **GitHub**, **Selenium**, **Quality Center**, with expertise in **data scraping**.
- Strong background in **OOP**, working in **Linux** environments, and writing efficient **Bash scripts**.
- **B.Sc in Electrical Engineering**
- Familiar with **UI Testing** (Pytest, Robot Framework) & **REST Methodologies**.

Work Experience

2018 – 2024 **Integration & Automation Engineer**, Maxlinear

- Developed and maintained **Python-based automation frameworks**, enhancing testing efficiency, reliability, and coverage for embedded systems.
- Created and executed **automated scripts** for **integration**, **regression**, and **E2E testing**, significantly reducing manual work and test cycle duration.
- **Integrated** software components in **embedded environments**, ensuring compatibility and functionality through close **collaboration** with **R&D**, **product**, and **DevOps teams**.
- Participated in **Agile teams**, contributing to the delivery of **high-quality embedded products** through **cross-functional** collaboration.
- **Authored test documentation**, including test plans, validation procedures, and regression strategies.

2015 - 2018 **Integration Engineer**, Intel

- Performed **testing of embedded systems firmware**, including load, stability, and performance testing.
- Developed and executed **automated test scripts** using **XML-based platforms**, which led to a reduction in manual testing and streamlined work processes.
- Contributed to the **identification** and **resolution of software defects** while strengthening the resilience, reliability, and stability of the system.

2013 - 2015 **Software and Hardware Test Engineer**, Lantiq (acquired by Intel)

- Conducted in-depth testing of **embedded systems hardware** and **firmware**, including load, stability, and performance tests.
- **Identified** and **documented software issues**, collaborated with **development teams** to improve overall product quality and reliability.

Education & Courses

Bachelor's Degree in Electrical Engineering, HIT

FPGA Design Course

Technical Skills

Programming & Scripting Languages: Python (advanced), Bash scripting, C (basic), TCL (basic), XML

Automation & Testing Tools: Selenium, Jenkins, Quality Center (QC), Jira, GitHub

Networking & Communication Tools: Wireshark, VeriWave, Ixia Chariot, Spectrum Analyzer

Other Skills: Data scraping (advanced), Object-Oriented Programming (OOP), Agile methodology

Languages **Hebrew** – Native language, **English** – Fluent