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