Alex-Showers-Senior HW SW Quailty En...   🖶 Print

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ALEX SHOWERS

Senior Software Quality Assurance Engineer

Innovative, hands-on QA professional with 10+ years of experience specializing in automation, embedded systems, and system-level validation. Proven success in leading testing efforts across hardware-software integration projects, with a strong background in Python-based automation, Linux system testing, and platform robustness validation. Skilled at collaborating across geographically distributed teams to deliver high-quality products in fast-paced Agile environments. Proven testing competency shown by submitting FTC and IEEE test reports resulting in "Artificial Intelligence" branding for walk through metal detectors and Zigbee/Bluetooth wireless protocol interoperability for SW defined radios.

SKILLS

Python Test Automation, Embedded Systems Testing, Oracle/Linux OS, Functional & Regression Testing, System Validation (UEFI, ILOM), Debugging & Root Cause Analysis, Jenkins, Git, REST APIs, Hardware Platform Testing (rack servers), Agile/Scrum Practices, Lab & Network Configuration

EMPLOYMENT HISTORY

SENIOR SQA ENGINEERING MANAGER   2021 - 2025
Evolv Technology (Cloud connected AI driven walk-through metal detectors)   *Waltham, MA*

♦ Designed and implemented scalable automated test frameworks in Python for embedded Linux-based systems, improving regression cycle time by 60%.

♦ Led testing of system-level firmware components including UEFI, validating performance and stability under stress conditions. Built HW lab including modems, servers, switches, and POE.

♦ Collaborated closely with hardware developers to isolate platform-level bugs and provided actionable root-cause analysis.

♦ Executed daily and weekly test suites across multiple hardware configurations, proactively updating and optimizing tests based on platform revisions.

♦ Mentored junior QA engineers and streamlined onboarding documentation for test procedures and automation guidelines.

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