

# Christopher Reyes

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## Manufacturing Software Test Engineer

**Resolves Complex Technical Challenges | Delivers Actionable Insights | Enhances Manufacture Process Efficiency**

Results-focused professional adept at solving problems and improving test implementations. Strategic thinker who brings debugging mindset and keen desire to provide valuable test solutions that provide maintainability, requirement compliance, and effective operator experience.

**Requirements Development & Implementation | Test Equipment Automation | Cross Functional Collaboration | Remote & on-site debugging | C# | Python | Jira | Jama | Git | Bamboo | Unit Testing |**

## Professional Experience

**IRHYTHM TECHNOLOGIES**, San Francisco, CA

**Senior Manufacturing Software Engineer II** Apr 2018 – Sept 2024

Developed and owned code for manufacture functional testers. Acted as key contributor for requirements definition, equipment specification, and software verification. Responsible for maintaining production throughput metrics and resolving escalated manufacturing test station downtime. Performed on-site and remote installation / debugging at manufacture location.

- Implemented manufacturing tools and functional tests throughout production line. Association stations, laser marking, and primary functional testing of BLE, cellular, battery modules and embedded firmware devices.
- Created test equipment wrapper APIs, allowing more modular test software implementations.
- Adopted maintenance of legacy testers and code, resulting in minimal disruption while transitioning to next-generation testers
- Consultation with RF equipment vendors, determining specifications and optimizing usage in test systems.
- Collaboration with quality team verifying software tools prior to release into production environment.

**ENPHASE ENERGY**, Petaluma, CA

**Staff Manufacturing Test & Tools Engineer** Aug 2011 – Feb 2018

Implemented manufacture testing requirements for functional testing of various microinverters, gateways, BMUs, and other PCBAs. Supported proto-build testing for firmware and hardware teams, including custom test software tool implementations. Performed on-site and remote installation / debugging at overseas contract manufacturer.

- Owned code running on test systems with 10K+/daily units. High first-pass-yields minimized transformation costs.
- Minimized production startup time by supervised installation and training on test systems at manufacturing site.
- Completed test time reduction projects, reducing need for capital expenses to meet expanding production volumes.

**TELLABS**, Petaluma CA

2005 - 2011

**Manufacturing Test Software Engineer**

Implemented test software solutions for optical network products and legacy POTS cards. Remote and on-site debugging at various international locations.

## Education

**Bachelor of Science (BS)**, Computer Engineering, University of California, Santa Cruz, CA