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Manufacturing Test Engineering Software Developer

Reports to:

VP of Manufacturing

Location:

Based in Redwood City, CA corporate offices

Job #240007

What you will be doing

We are a venture-backed company that has gained solid traction with electric, gas and water utility companies and suppliers worldwide. Using open, standards-based networking infrastructure technologies, we build hardware and software products that extend utility companies' networks to the customer's location to gather and send information in real-time. This enables critical command, control, and information functions, helping our customers meet the demands of a changing business climate, without imposing on the environment by building more power plants.

Position Objective

In this role, you will establish the overall software test strategy for Silver Spring Networks product line. Working with the Development Engineers and New Product Introduction/Manufacturing Engineers to establish and implement an integrated test plan. Develop and document the necessary test software and procedures to ensure full test coverage of all SSN hardware products.

Essential functions

Conceive, develop, and execute Silver Spring Networks functional test software

Define, develop, and implement the Flowcharts, testing methods, and procedures (MPIs) for each test.

Continuously refine and improve test programs, methods, and metrics to reduce product cost and increase test coverage and outgoing quality levels.

Identify, analyze, and initiate corrective action when product design failures are uncovered by the test process.

Partner with Product Development and NPI Engineers to define and implement a Design for Testability strategy and set of guidelines. Cooperate on opportunities for hardware and firmware BIST.

The ideal candidate must have hands-on capability and will both program and support. The position requires an independent self-starter who can multi-task across projects, manage to tight deadlines, and collaborate effectively in a team-oriented environment.

Contribute to the hardware engineering culture by actively participating in the evolution of best practices, tools and processes.

The successful candidate will have experience in a time sensitive environment, and will be adept at risk assessment and test prioritization.

Qualifications

BSEE or BSCS with some analog and digital DAQ & control background.

RF or mixed signal product functional test system development.

High volume product test experience



High volume SMT and product manufacturing experience.
Able to develop test programs - from engineering specifications, product marketing documents, design reviews and presentations.
Strong analytical, technical, problem-solving skills.
Strong verbal and written communication skills.
Able to work with Engineering to resolve issues with test results.
Experienced in and strong believer in test automation.
Familiarity with UNIX-based systems, including writing UNIX shell scripts and "C" programming.
Familiarity with Perl &/or other scripting tools.
Familiarity with database development/maintenance.
Experienced with Microsoft VC++ or other comparable software tools.
Must have ability to thrive in a fast-paced, team-oriented environment.
Self-motivated; able to demonstrate initiative and risk-taking.

How to apply

Qualified candidates should email their resume to careers@silverspringnet.com, referencing your name and job in the subject line.