JOB TITLE:  Quality Assurance Test Engineer (Advanced Router)

JOB SUMMARY

Responsible for day-to-day testing on several models of routers, including working/coordinating with both onshore and offshore resources while also becoming an expert in the products being tested.  Develop and maintain test plans, test cases, and execute sanity and regression suites.  Coordinate and collaborate with Design, Architecture, Development, and Operations to ensure optimal customer experience.

MAJOR DUTIES AND RESPONSIBILITIES

Defines and tracks quality assurance metrics such as defects, defect counts, test results and test status

Works with automated testing frameworks and related infrastructures; scripts specific tests to measure software quality and functionality

Collects and analyzes data for software process evaluation and improvements and integrates them into business processes to address the business needs

Conducts router Band Steering and Dynamic Channel Selection testing

Scheduled, executes, and reports on 802.11a and 802.11ac latency performance

Valdiates remote commands to optimize network performance, change WiFi settings, and apply features are working correctly

Tests DHCP address assignment, broadcasting, renewal, and other advanced router features

Manages Product Testing deliverables such as documentation, training, completion of testing, test case management, etc.

Conducts both happy-path and negative tests scenarios while doing exploratory testing

Ensures proper maintenance and tracking of test cases and test accounts

Provides overall direction for all areas of Product Testing for routers

Represents Product Testing in planning meetings on all engineering projects to provide input and guidance on testing best practices

Responsible for compliance with company engineering standards, policies and procedures

Maintains good relations with peers, team, other organizations and vendors

Be a part of an effective team and contribute to drive a high performance culture and environment

Activively interviews and onboards testing resources

REQUIRED QUALIFICATIONS

Skills/Abilities and Knowledge

Ability to read, write and speak the English language to communicate with employees, customers, suppliers, in person, on the phone, and by written communications in a clear, straight-forward, and professional manner

Self starter, self motivated, driven individual

Ability to work well with shifting priorities

Deep understanding of Linux Kernel

Solid understaning of 802.11 specifications

Proficient understanding of Networking terminology and components (e.g. DHCP, IP Routing)

Strong understanding of software development life cycle (SDLC)

Proficient with network analysis tools, such as Wireshark, WiFi Analyzer, Heat Mapping Tools, PingPlotter)

Solid understanding of the OSI model

Proficient using JIRA for work management and reporting

Experience with Test Rails is a plus

Creative solving of technical problems to ensure the ability to translate technical requirements

Ability to track multiple test efforts simultaneously and to be able to synthesize the results in fast paced environment

Ability to make decisions and solve problems while working under pressure

Ability to prioritize and organize effectively

Ability to provide coaching and counseling when necessary

Ability to supervise and motivate others

Strong leadership skills with proven ability to provide effective, results oriented direction

Ability to use personal computer and software applications (i.e. word processing, spreadsheet, etc.)

Knowledge of company products and services

Education

BA/BS in Information Technology, Computer Science, or related field or equivalent work experience

Testing Certification ISTQB Advanced Level preferred

Related Work Experience             Number of Years

Engineering experience                 5+

Software Testing experience        3-5

Leadership experience                  1-2

WORKING CONDITIONS

Office environment

Exposure to moderate noise levels