

Team Leader - Software QA

(Position Code M09)

Role and Responsibilities:

As a Software Team Leader, you will be responsible to assure and enhance the quality of products designed at Matrix. You will emulate a third-party qualifier of the product, a representative of a customer who expects the product to deliver worth its money. This position demands an attitude of a critic to make positive criticism about the design, implementation and performance of the product. You would try to bring in symmetry of design, implementation methods, 'look and feel', intuitiveness, etc. in all the Matrix products to a greatest extent possible.

As a Software Team Leader, you will be working on latest technologies, varied processor platforms, different Operating systems, innovative designs and implementation methods. An ideal candidate for this role will have strong analytical and logical skills, burning desire for perfection, excellent communication skills and an auditor's mindset.

Your responsibilities would mainly include.

- Building and mentoring a team of S/w QA Engrs.
- Establishing test equipments for better testing of the products.
- Overall Product Quality of all the products designed and developed by Matrix.
- Bettering the product features, product performance, product documentation and GUI.
- Improving procedures for conducting testing of the products.
- Making Value-additions in systems/work procedures of all the groups interacting with QA group.
- Giving a new face to the QA domain.
- Helping Software QA engrs. in preparing a test plan for the product.
- Writing and executing test cases for the product to be tested.
- Reviewing the test cases written by the Software QA engrs.
- Improving the minutest of the technical and behavioral details of the Software QA engr. which can affect the results.
- Engaging closely with the software analysis and design team to understand the crucial design aspects to think of odd-case test scenarios.
- Working closely with the Software development team to understand the software implementation and smoke out the hidden implementation level bugs which could lead to performance deterioration.
- Working closely with the Technical Support Team to help them simulate the field scenarios and resolve them immediately taking help of concerned team members.

Requirements:

- B.E / B Tech in Electronics / Computer Science / M Sc. in Electronics/MCA or equivalent.

- 2-3 years of Software design and development experience, preferably of telecom products.
- Strong programming skills in C, C++ or Java.
- Expertise in designing data structures, formulating algorithms and doing complex analysis for bettering the product software.
- Experience/Good Knowledge in one of the following technologies/applications:
 - HTML, XML, Java Script, CSS, Web feeds, PHP, CGI scripting, etc.
 - Linux, RTOS Application development
 - Windows Application development
 - Mobile Applications on any of the Mobile OS like Android, Symbian, iOS4, RIM OS (Blackberry), etc.
 - Device drivers programming on Linux/Windows
 - TCP/IP, Socket programming
 - GUI programming using Qt, GTK, Android, etc.
 - DSP algorithms
- Experience/Knowledge in either of the following:
 - In-depth knowledge of IP protocols viz. TCP/IP, RTP, RTCP, FTP, Telnet, DHCP, DNS, RSVP, SMTP, POP3, IMAP, SNTP, SNMP, HTTP, etc.
 - Knowledge of various telecom protocols viz. BRI, PRI, E1-CAS, T1-RBS, SS7, etc.
 - Knowledge of various protocols for sending Voice over IP viz. SIP, SDP, RTP, RTCP, H.323, MGCP, IMS, etc.
 - Understanding of Wireless technologies like GSM, UMTS, Wi-Max, LTE, GPS, Wi-Fi, DECT, Bluetooth, etc.
 - Experience in integrating/working with various components of a distributed next-generation IP based architecture including Softswitches, Gateways, SIP Proxies, Redirect servers, Routers, Switches, Media Servers, SIP Phones, IADs etc.
 - Knowledge of CTI protocols viz. TAPI, JTAPI, CSTA, etc.
 - Good Knowledge of Hardware devices like Micro-Controller, Micro-Processor, DSPs, Memories and other peripherals.
 - Good Knowledge of Embedded software design and development principles and practices.
 - Knowledge of IP networking, network analysis, performance and application issues using standard tools like tcpdump
- Ability to collaborate with other teams
- Excellent analytical skills.
- Excellent documentation capabilities.
- Ability to mentor junior team member, sponsor and model exemplary team interaction, use judgment to solve problems where protocol might not exist, apply high degree of ingenuity using broad parameters for foundation of decisions and makes product level decisions independently
- Knowledge of IP networking, network analysis, performance and application issues using standard tools like Wireshark, etc.

This position is based @ R&D Center, Vadodara.

