**KIRAN RANGANATHAN**

**Mobile**: 9900948187

**E-Mail**: kiranr23@gmail.com

**Test Manager (QC) / Test Lead**

Seeking assignments in **Software Development / Software Testing / Quality Control** with an organization of high repute

***Distinction of attaining CEO Award for best team***

**PROFILE SUMMARY**

* ISTQB Certified professional with **over 11 years of significant experience** in:

**Project Test Management Software Testing System & Testing Support**

**Embedded Testing Bugfix Validation & Regression Test Software Quality Assurance**

**Software Design & Development Product Development Escalation Management**

**Resource Management Scripting & Documentation Requirement Gathering**

**Management Skills:**

* Successfully managed complex projects with global implementation, and rapidly evolving requirements
* Effective communication skills and record for coordination between globally located teams
* ISTQB Foundation Level Testing & Methodologies
* Project delivery under stringent timelines and high pressure
* Proficiency in **mapping business requirements, technical documentation, application development, integration, testing and troubleshooting of applications**
* Conducted project walkthroughs and meetings involving various leads from Development, **QA**and Technical Support teams
* Adept at developing **test plans** using requirement documents and functional documents
* Exceptional ability to maintain and build client relationships, frequent travel meeting one on one with clients, able to comfortably converse with all facets in the clients organization
* Expertise in **end-to-end implementation of various projects**
* Experience of releasing small hot fixes, service packs to whole product release after quality assurance

**CORE COMPETENCIES**

**Software Testing**

* Designing test strategy, developing plans and approving cases; scheduling project for releases in coordination with project managers & clients
* Developing overall test strategy, detailing scope, types of testing, data strategy, communication management, defect management process etc. ; testing software programs to compare specifications & documenting the same

**Software Quality Assurance**

* Estimating scope, resource and time for projects presented to QA for testing and analysis
* Working with business analyst to ensure QA testing while monitoring development activities & reporting project progress

**Software Product Test Planning & Management**

* Directing software testing activities for business process, mapping of the client requirements and identifying appropriate testing methodology
* Designing the testing to ensure customer requirement coverage & using the design model for a specific project for developing various tests while taking feedback on newly developed products and ensuring test coverage for those changes

**Test Management**

* Test Management: defect management, incident management, bug reporting, triage, test reporting / dashboards & leading / mentoring testers
* Author and manage project schedules including key deliverables, milestones, dependencies and resource allocation
* Extensive experience in managing, working with and leading onsite, offsite and overseas teams, preparing and running calls and meetings including daily standup meetings
* Managing open issues and working cross-functionally to facilitate resolutions
* Establish key milestones and drive progress to accomplish milestones in a timely manner

**ORGANISATIONAL EXPERIENCE**

**Since Oct’05 Cisco Video Technologies India Pvt. Ltd., Bangalore as Engineer IV Software / Grade 010.CORP.020**

(Previous NDS Designation: Senior Technical Leader – NDS was acquired by Cisco)

**Grandmaster & Product:** Grandmaster is a centralized repository of Cisco’s STB Product code that follows CI process [continuous Integration]. Cisco has around 40+ customer accounts. Each account has multiple projects and each project pull their initial startup baseline from the Grandmaster & add their customization in EPG & middleware application, after the QC is done then the code gets delivered to Grandmaster again. Due to this, the codebase has huge diversity and complexity. The level of quality expected is very high with no major defect leakage to projects. I being the Product QC lead have to regularly take the Grandmaster baseline once a fortnight and test according to the different profiles of the customers to make sure it is regression free and to have the quality cerfitied by running Smart PDT. Once in a fortnight these accounts will be moving to the baseline certified by my team.

**Proactive Product Features:** Product Team is responsible for taking input from marketing and management regarding new features and developing them as a profile. They are pro-active product features & will be then offered to new and existing customers in important occasions such as IBC [International Broadcasters Conference] or customer demos during visits. My role here is to review these cutting edge features and come up with appropriate test strategy and to ensure the new features get delivered with quality. These would be cutting edge and new to market features. Also we deliver these features to projects closely handholding them.

**Challenges:** It is my key responsibility to manage the Product QC team to maintain quality of the Grandmaster baseline that is delivered to all 40 customers. I am responsible for analyzing the impact of checkins and to derive a test strategy to ensure optimal coverage by both Product and Project QC and reviewing the results of fortnightly testing by both. The whole responsibility Grandmaster certification and approval is lying on me. The complexity in handling the different profiles, making sure that all major accounts are free from regressions is my key responsibility.

I am a member of Product Owner Group that takes vital decision regarding Grandmaster, Product & Branch control which ensures how baseline gets delivered to multiple customers.

* Working as a key member of Product Development Team as the Test Lead on Grandmaster activities and proactive feature development activities. Prepare, Review and execute manual, automation and performance test strategies, test plans and test cases. Lead, Manage and Drive QC teams in Product based company
* Heading a 20 member testing team in developing and implementing quality-assurance and quality-control methodologies to ensure compliance with QA standards, Automation and Requirements & Impact based testing
* Creating and executing software test plans, cases and automated scripts to uncover, identify and document software problems and their causes.
* As the EPG baseline gets delivered my team is responsible for EPG Component QC activities for existing and new CRs testing and ensuring style guide & storyboard are reviewed, followed in the build and functional testing of the same
* Transitioning software development efforts to a test-driven development (TDD) process, which brought QC testing in on the front-end of the development cycle for gains in code quality, software functionality and programmer productivity
  + Smart PDT based on Impact Analysis to ensure testing effort is optimal and no redundancy in effort. Pin pointed testing based on impact areas
  + Sessions Based Exploratory testing implemented for team - trained by John Stevenson, throughout the Sessions Based Test Management Tool to ensure testing is followed as an art and a skill rather than just executing test cases, using mind maps and other techniques. New unknown defects were encountered
  + Model Based Test design technique [MBT] - using IPOG algorithm, this technique ensures maximum feature coverage and eliminates error due to manual test design and also reduces test effort and time, resulted in huge cost saving to the organization

**Automation:** The costs of development & testing were going up, There was a challenge of customers were asking for software delivery very frequently, manual testing was becoming costly and inefficient, the number of checkins was too high and we felt a need to deploy automation to reduce redundancy in testing, reduce testing cycle time and to **Control the Expenses.** Automation in our organization is based on Genie, IEX & Droid. My contribution was towards Genie & IEX.

* + **Automation lead** for Evolution using Genie [indigenous tool] to identify optimal steps in which to achieve maximum test coverage and lead scrum activities, tracking progress and reporting progress to management – covers functional & non-functional test aspects.
  + Organization using IEX [indigenous tool], as a **Lead for Test Automation Group**, implemented several procedures & processes to ensure automation coverage is enhanced in all projects, conduct regular audits and improve test coverage. Ensure Phase I & II deployment of automation scripts across all 40 projects was my responsibility.
* Handling Automation of Panorama Remote diagnostics using Python ACS Simulator, leading to Python training of more than 100 engineers and automation of ACS simulator using Python scripting by team

**Accomplishments:**

* Played a vital role in conceptualizing company’s first comprehensive functional Test suite/scripts and procedures to enable saving of manual testing and increase automation coverage
* Instrumental in accelerating average QA testing turn-around time by 25% or more, allowing company to accept more testing projects without increasing staff. Analysed the existing testing process and induced a change in Product Component Test Strategy to improve the process, estimated the efforts saved & removed redundancy
* Served as Test Review Team Member - reviews of big account tests and addressing areas including new feature test design, optimization of major features in big customer accounts, Active participation in Product Requirement meetings with the stakeholders on Testability & for deriving test cases for Major existing & new features
* Coordinated with Test Control Board for regular audits with all leading Projects and ensured that defect leakage is reduced and quality assured, over 3 years excellent results were achieved, results were best in the organization
* Ideas Group Team responsible for bringing out ideas and encouraging them to come up with new innovations and products that helped in highlighting themselves and possible patents down the lane
* Accredited with the CEO Award and RSU – Restricted Stocks Award for excellent performance, given to a select few in the company
* Presales demos of new features to Sales team and Management

**Jul’03 to Oct’05 RelQ Software Pvt. Ltd., as V&V Engineer**

**Entertainment Software:** Entertainment software is huge market, RelQ was specialist in testing. Development Companies used the services of RelQ for their testing needs as we offered external testing expertise. Testing used to happen on various platforms like Sega, Atari, Nintendo, Xbox, Playstation & PCs.

**Role:**

* Worked on teams developing state-of-the-art software for Gaming devices, including Sega, Atari & Nintendo
* Evaluated business requirements, conducted gap analysis, estimated project scope and worked closely with fellow testers to deliver high-quality software solutions using Simulators & Consoles
* Carried out Functionality, User-Acceptance, Stress, Soak, Compatability & Certification Testing
* Managed with user-acceptance testing and defect tracking for three software releases
* Steered a team of testers responsible for testing on LAN, Simulators & Consoles
* Involved in reviewing their reports and defects

**TRAININGS & CERTIFICATIONS**

* ISTQB Foundation level – Certified
* ISTQB Test Analyst Training attended
* Personal Effectiveness Program – PEP Up training given only to select individuals costing around 50k sponsored by the company – program by Anil Chawla
* Interviewing Skills – external coach
* IEX, Process Framework, Quality Tools

**EDUCATION**

2003 Master of Computer Applications from Bangalore University, Bangalore

1999 Bachelor of Business Management from Bangalore University, Bangalore

**IT SKILLS**

Features: Media Gateway, SDP In Home, OTT, PDL, VOD, IPTV, Remote Diagnostics, Mediashare, Channel mosaic, Picture-in-Picture, Catchup & Restart TV, Fast channel zap, Thumbnail caching, Channel Logo, Event Logo, VOD Shops, Purchase from disk, ODUI, Global Search, RMD, Recommendations

Video on Demand: IPVOD, PDL, OTT, XPush, Unified On Demand

EPG Flavours: Charcoal, Moonlight, Glass, Evo12 + Co-existence, REPG

Content Protection: Constraint Image Token, CGMSA, Macrovision & HDCP

Automation: IEX, Red Rat, GOTSS, Genie

**PERSONAL DETAILS**

Date of Birth: 4th October 1977

Address: 405/B 4th Main Road. | Srinagar, Bangalore - 50

Languages Known: English, Hindi & Kannada

Location Preference: Bangalore

LinkedIn Profile: http://lnkd.in/bQwHxAM