Joseph Sathish Kumar

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Test Lead / Test Engineer (IC)

**Snapshot:** Qualified IT professional with over 13 years of experience in Functional Testing, System testing, OS Regression, System Regression, Bug Verification, on-site Customer support, Remote technical support (JTAC) across diverse organizations. Exploring challenging managerial assignments with a professionally managed organization

**Core Competencies…**

**Software Testing ~ Test Strategy Planning ~ Test Case Development ~ Quality Assurance ~ Defect/Bug Tracking ~ Technical Troubleshooting ~ Client / Vendor Interaction ~ Team Leadership**

Strengths & Highlights

* Skilled in designing, developing and implementing test plans, test cases and test processes, conducting tests and documenting test cases & bug reports
* Proficient in working on VLAN, QnQ, RSTP, LACP, IPv4, IPv6, RIP, OSPF, DHCP and QoS. Script fixing automation in Perl & Python on Robot framework.
* Expertise in full project life cycle development for implementation and integration with deep understanding of technology focused on delivering business solutions
* Expert at streamlining operations, increasing efficiency and improving overall product quality
* Efficient Team Leader & Player, combining communication, interpersonal & problem solving skills with analytical, decision making and leadership capabilities to enhance organizational objectives

Professional Experience

***HCL Technologies, Chennai : Jan 2011 till date***

**Role: Sr. Technical Lead – IC (DELL) ~ October 2017 – *July 2019***

OS10 is a Linux-based open networking OS that can run on all Open Network Install Environment (ONIE) switches. It is based on open-sourced Linux and network protocol stacks developed over Switch Abstraction Interface (SAI) that enable system innovations and DevOps-ready solutions through fully programmatic and open interfaces.

* Create, execute, and maintain test automation tools, frameworks, and scripts.
* Create and maintain reusable testing data sets, test units, and lab infrastructure
* Create, plan, analyze, update, and execute test strategy for test cases, projects, regressions, or automated testing
* Identify, record, analyze, and track defects encountered during testing
* Provide detailed information for replication of discovered issues
* Participate in test estimation and communication
* Assist and promote improved best practices, tooling, technology, and test solutions throughout the development life cycle.
* Review, analyze, and test software requirements, use cases, user stories, and designs according to test solutions best practices
* Create tests, including: identifying pre-conditions, data setup, assumptions, document test steps and expected results
* Provide feedback to analysts, developers, and project managers on requirements, test solution, and project execution
* Create and maintain test documentation
* Mentor test engineers as needed.
* Porting of System test use cases on different platforms like Z9100, S6010, S4248, S4148F models.
* System test of OSPF, BGP, RSTP, VRRP use cases
* Raise Jira tickets for System Test Use case issues and track them to closure.
* Ontime closure of System test reports without any backlogs.
* Hands on Robot framework along with python scripting.
* Script fixing of Systest Use case using Dell NGF with Robot framework and python.

***HCL Technologies, Bangalore : Jan 2011 – Sep 2017***

**Role: Sr. Technical Lead (Ericsson – BRAS) ~ Apr 2014 – September 2017**

* Function as Sr. Technical Lead in BRAS domain for Ericsson SE/SSR Routers involved in evaluating new enhancements, preparing test cases for system testing
* Conduct acceptance test for approving software code as well as manual/ automated testing for newly introduced/enhanced features
* Interact with testing teams for providing feedback on release of software
* Test/automate feature enhancements. Work on Bulkstats on QoS for IPv4 & IPv6 Counters
* Involved in replication, verification & automation of customer bugs
* Enhanced sanity scripts with manual testing and automated it.
* Ported scripts of one platform to other platform.
* Fixed failed regression scripts and optimized them.

**Role: Technical Lead (Juniper Networks – EX- Series) ~ Jan 2011 – Mar 2014**

* Prepared test cases based on evaluation of new protocol (new features/ functions [DHCP/OSPF]) as Technical Lead in wired domain for EX-Series.
* Conducted acceptance test and functional test on junos software code
* Automated manual testing for newly introduced feature/function
* Functioned as member of the regression team involved in debugging protocol & scripts in case of failures
* Organized training sessions for new employees on EX- Switch architecture and protocol

**Projects:**

**Ericsson**

* Functioned as System Testing Lead for BRAS testing involved in conducting manual/ automated testing for newly enhanced features, replication/ verification of customer bugs
* Liaised with clients for ramping up projects

**EPBG**

* Prepared test cases for new protocol, conducted AT (Accepted Test) and approved software code for RLI – JDHCP in EX-Series system testing
* Conducted manual & automated testing of newly introduced feature for RLI – JDHCP, OSPFv3 for EX Series of products
* Optimized test bed for regression test cases (Chennai regression Testbed)

**Trapeze Networks**

* Member of the interview panel involved in staffing new employees for the WLAN project
* Organized training program for existing employees to migrate to wireless project as well as switch architecture and L2 technologies for the wireless engineers
* Evaluated test cases and assisted in designing & implementation of new secured wireless lab
* Interacted with the client & the company for obtaining approval across various stages of the project

***Cybernet-SlashSupport (CSS) Corp, Bangalore : Sr. Network Engineer : Sep 2008 - Jan 2011***

**Key Profile:** Functioned as Global TAC for Juniper networks catering to Asia Pacific and global customers

* Involved in troubleshooting hybrid networks and providing On-call resolution
* Conducted root cause analysis for issue seen in production by testing/ recreating issue and reporting on bugs

**Project:**

**Juniper Ethernet**

* Rendered global technical support for Juniper Enterprise Switches EX2200, EX2500, EX3200, EX4200, EX8208 and EX8216 to Enterprise customers
* Involved in troubleshooting/ resolving issues in live networks and by recreating scenarios in the laboratory
* Identified, recreated and reporting bugs in the products
* Organized training sessions for new employees on EX- Switch Architecture and troubleshooting

***Midas Communication, Bangalore : Customer Support Engineer : Nov 2006 – Sep 2008***

**Key Profile:** Catered to multiple projects involving testing, network planning/ designing, implementation of design and software development with Linux

* Evaluated/ resolved customer issues aimed at enhancing customer satisfaction by rendering qualitative service delivery

**Projects:**

**TCIL - Myanmar**

* Led a team of 4 members in facilitating Broadband internet service across the country connecting all cites in Myanmar utilizing products like Router, layer 2 Ethernet Switch, Dslam, and Ethernet to E1 converter and ADSL modem as Engineer - Customer support

**Indian Navy - INS TABAR**

* Network planning and deployment in Naval Ship using M2404 (layer 2 Ethernet switch with 4 gig port) and M3550 (layer 3 Ethernet switch with 12 gig port)

**Datasat – Ukraine**

* Led a team of 2 members in conducting manual testing of L2 Protocols in M2404 (VLAN, STP, RSTP, LAG, QnQ, ACL)

**BSNL – Jharkhand – India**

* Led a team of 2 members in conducting manual testing of L2 Protocols in IP Dslam (VLAN, STP, RSTP, LAG, QnQ) using ULC (IP Dslam with 480 ports) for expansion of Broadband internet service – Jharkhand

**BSNL – Madurai & Karnataka - India**

* Rendered Ethernet to E1 converter for the existing network

**Indian Army – Bhatinda**

* Led a team of 4 members in working on VD-MUX and R1722 (router)

**Reliance – Mumbai - India**

* Set up C5-Switch (layer 2 Ethernet switch used for cascading with POE) for the existing network.

**Indian Army – Simulator Development Division – Hyderabad**

* Worked on M2404 (L2/L3)

**LightGSM**

* Automated installation of newly developed software by building an rpm

Earlier Assignment

* HCL Technologies BPO Services Ltd ~ Technical Support Engineer ~ Jul 2005 – Oct 2006

Academics

* **Bachelor of Engineering [B.E.] in Electrical and Electronics,** Anna University, Chennai

Project:

* *Successfully developed a project titled “A Software based Harness Check-out system for Jaguar Aircraft” based on Visual C++ platform at Hindustan Aeronautics Limited (HAL), Bangalore*

Training Conducted

* 2 day training to Myanma Posts and Telecommunications (Burma) clients on M2404
* 1 week training to Simulator Development Division (Indian Army - Hyderabad) engineers on L2 protocols & Tshoot
* Training on L2 protocol and EX architecture to WLAN team

Papers & Conferences

* Published a paper titled “**Software Based Continuity and Compatibility Check-out System for Aircraft Harness**” at The Second National Conference for Research Scholars for Emerging Technologies, organized by the ISTE Chapter of Adhiyamaan College of Engineering, Hosur

IT Forte

* **Network Skill set:** VLAN, QnQ, RSTP, LACP, PPP, PPPoE, L2TP, IPv4, IPv6, RIP, OSPF, VRRP, PIM, DHCP, CLIPS, AAA, QoS, ACL.
* **Automation**: PERL ( JT framework , ARTS framework) , Python on Robot framework
* **Tools:** Ethereal/Wireshark, traffic generator – IXIA.

Extracurricular Activities

* Member and Secretary of toastmaster club.
* Won Club leave and Area level International Speech Contest.
* Won multiple times on Club level toastmaster impromptu speech
* Incidental blog writer.

**Date of Birth:** 23rd June 1984 **~ Languages Known:** English and Tamil ~ **References:** Available on Request