

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, VxLAN, RSTP/VSTP, LACP, IPv4, IPv6, RIP, OSPF, IGMP, PIM, VRRP, DHCP, AAA 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	Technical Specialist	Oct 2017 - till date
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Role: Technical Specialist – 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, analyse, update, and execute test strategy for test cases, projects, regressions, or automated testing
- Identify, record, analyse, 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, analyse, 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:	Sr. Technical Lead	Apr 2014 – Sep 2017
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Role: Sr. Technical Lead – IC & Team 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 another platform.
- Fixed failed regression scripts and optimized them.

Role: Technical Lead -IC (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

Cybernet-Slash Support (CSS) Corp, Bangalore :	Sr. Network Engineer :	Sep 2008 – Jan 2011
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Role: Sr. Network Engineer – IC (Juniper Networks – EX- Series)

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
- 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

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

TCIL – Myanmar

- Led a team of 4 members in facilitating Broadband internet service across the country connecting all cities 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 – INSTABAR

- 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

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

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*

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.
- FrontEnd web development : HTML5 , CSS3 with JavaScript.

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