

**RAMYA KALIDOSS**

**Mobile no: 224-386-6447**

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## **Network Test Engineer**

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### ***CAREER SNAPSHOT :***

- Experienced in Routing,switching, firewall technologies, system design, implementation and troubleshooting of complex network systems.
- Experience in layer-3 Routing and layer-2 Switching.
- Implementing Stackable switches and experienced to review and evaluate current and future design issues as required maintaining network integrity, efficient data flow.
  - Good understanding of Network Protocols and implementation.
- Experienced in monitoring Network traffic,security and controls.
- Worked on F5 load balancers, its methods, and implementation and troubleshooting
- Maintenance and troubleshooting of LAN, WAN, IP Routing, Multilayer Switching.
- Have worked in the data center for the physical connections to run the setup.
- Responsible for creations and maintenance of standard operating procedures(SOP) associated with new product services and network changes.
- Experienced in manual testing of L3 protocols like RIP, OSPF, BGP and perl automation of the same.
- Excellent team player with good communication and leadership skills, Capable of Problem solving, Time management and Decision-making skills with the ability to set priorities and produce results.

### ***TECHNICAL SKILLS:***

- Scripting Language : PERL, Unix shell scripting
- Working Platform : LINUX, Windows
- Protocols : Layer 3: RIP,OSPF,BGP

Layer 2: Ethernet, VLAN, LAG, SOAM (IEEE 802.1ag), ERPS

Machine Languages : Transaction language (TL1) & command line interface (CLI).

### ***PROFESSIONAL TRAINING:***

- CCNA training.
- Compia Network+ training course.

<b>WORK EXPERIENCE:</b>
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**Organization : M/s WIPRO TECHNOLOGIES LTD**

**Designation : Project Engineer**

**Tenure : Jan'2012 till May'2016**

**Job Specification :** Contributed my efficiency in two telecom accounts FUJITSU and in  
ERICSSON-REDBACK

**Training :** Undergone training on Testing concepts, Networking,Perl, Unix shell  
scripting and Datacom in Wipro during training period,

**Account details : (From July 2013 to May 2016)**

Fujitsu is the leading Japanese information and communication technology (ICT) company offering a full range of technology products, solutions and services.

**Project Description :**

Performed Functionality test for client products – FUJITSU CDS and FUJITSU 9500 switches. This involves testing the functionality of Layer 2 protocols in switches over a wide network. Networks are connected over the VLAN and its forwarding techniques are black box tested. Link aggregation and SOAM protocols are associated for forwarding packets over the network. Ethernet ring protection switching technique is involved for the protection of traffic in the wide network. Test cases are prepared after the test plan phase and executed after preparation.

**Environment :**

Switches are configured through the console port using transaction language (TL1) and tested its functions. Physical connectivity between the switches are made in the lab personally and logical connections are made using TL1 in the switch for the wide network. Traffic generator used for the setup is "IXIA ". Bugs are reported in clear quest and Test cases executed are logged in ENOVIA MATRIX tool.

**Responsibilities :**

- Efficiently executed the test cases testing the functionality of layer 2 protocol on switches.
- Expertised in SOAM ( Ethernet OAM ) protocol.
- Tested various out of box scenarios and found defects.
- Interfaced with senior leaders to grow and mature performance.
- Reporting defects and tracking them from the time of opening a bug till it's closing.
- Worked on the implementation of day-to-day firewall rules, VPN configurations. Responsible for SOP creations and maintenance.
- Responsible for taking sessions about the product and protocols for the new team mate into the team.
- Proficient in giving physical connections at the data center to bring up the setup with the traffic generator IXIA and can run maximum scale setup as well.
- Worked on tools like Clear quest and Enovia Matrix

**Account details : (From May 2012 to June 2013)**

Redback Networks, Inc. is engaged in making User Intelligent Networks for edge networking and subscriber management. Redback is rated third best IP Player in the industry. SE400/800/1200 and SSR(Smart Service Router) are the smart edge routers of SmartEdge family which provides the triple play services (Data, Voice and Video) through the single medium. The SmartEdge family integrates three key functions into a single, multi-functional platform including edge routing, Ethernet aggregation, and subscriber management. SmartEdge routers are running on SEOS. Testing Routers in on features RIP,BGP,OSPF etc.

**Project Description :**

Manual testing and PERL Automation for the Client Product - the Redback SE400/800/1200 and latest SSR routers.This involves looking into feature specifications and performing functional testing of the routers in a lab setup with multiple devices and scenarios. After manual testing, the scenario needs to be automated using perl on the the client framework and the scripts once finished need to be run on multiple platforms and handed over to the central regression team

**Environment :**

Scripts are developed using PERL on the Linux platform, through which we are testing SEOS software images. 'CVS' is used for script versioning and ExtraView for Bug tracking. Ixia's traffic generators ('N2X') are used to simulate various network setups.

## **Responsibilities :**

- Responsible for manual testing of L3 protocols like RIP, OSPF, BGP and perl automation of the same.
- Contributed in modifying the already automated scripts to support PPA3LP line card , executed those scripts in batch and Involved in debugging and troubleshooting network setups and protocol failures .
- Reporting defects and tracking them from the time of opening a bug till it's closing.
- TEA (Test Escape Analysis ) bugs – Manual Fix verification, reproduction, Automation of bug
- Proficient in using **Ixia's N2X Traffic Generator** through manual GUI as well as Automating Processes to be run on it.
- Experienced in creating SSR simulation chassis as it is cost reduction for SSR SW design and executed the automated test case on the simulation for testing purpose.
- Worked on tools like Eden Tree,TC view,Extra View and familiar with ARTS framework.
- Involved in Planning and configuring the routing protocols such as OSPF, BGP and Static Routing on the routers.

<b><i>PERSONAL DETAILS:</i></b>
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**Name :** Ramya Kalidoss

**Date of Birth :** 10/20/1989

**Father's Name :** K . Kalidoss

**Husband's Name :** Dinesh Kumar Subramanian

**Marital Status :** Married

**Nationality :** Indian

**Languages known :** English, Tamil.

**Passport number :** L7368599

**Strength :** Straight Forward, Positive Attitude, Friendly Nature, leadership quality.

**Communication Address :** 1058 Alluvial Way, South Elgin, Illinois -60177

***DECLARATION:***

I hereby declare that all the details furnished above are true to the best of my knowledge.

**Place: United States**

**(RAMYA KALIDOSS)**

**Date : 05/12/2023**



