**Varaprasad Survi**

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| **Summary** |

* Strong 3+ year’s background in Telecom—Routers and Optical Network products to achieve business goals.
* Willing to learn and grow; Passionate about achieving a challenging position that allows meaningful contributions to an organization success.
* Worked on ECI Telecom **Apollo series routers like SR9603, SR9608, SR9624, Cisco 7600** and **L1 service cards like Transponder, Muxponder and Fabric cards**.
* Familiar with Optical Network Technology—Protocols like **OTN, SDH/SONET, Ethernet and Fiber Channels** with DLW and JDSU Traffic generators.
* Stood top in **Linux System and Computer Network Programming** specialization as part of my Post Graduation programming.
* Designed, Implemented Protocol related projects while pursuing Post Graduation & Specialized Network Programming course.
* Virtuous computer skills—**C, C++, Data Structures, Multi-Threading, IPC-Mechanism, Linux System and Core Network Programming, TCP/IP and OOP’s concepts.**
* Debugging and Utility tools—GDB, Make files and Archive files.

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| **Professional Experience** |

* Software Engineer at **Velankani Software, Bangalore** from February 2015.
* Software Engineer at **Cisco Systems, Inc** with **HCL Technologies, Chennai** from September 2013 to February 2015.
* Software Test Engineer in Telecom Domain for IP and Optical Networks at **ECI Telecom R&D, Bangalore** from June 2011 to September 2013.
* Internship at **ECI Telecom R&D, Bangalore** from April 2011 to June 2011.

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| **Professional Training** |

* Certificated in **Linux System and Network Programming** from **DEPIK Technologies Pvt. Ltd, Hyderabad.**
* Had hands on experience in **Linux System and Network Protocol domains** which includes **C, Data Structures, Multi-Threading, IPC Mechanism, Signals, UNIX Network Programming & TCP/IP Stack Internals**.

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| **Education Qualifications** |

* **Master of Science in Information Technology** in **Computer Networks,**

From **JNTU, Hyderabad** in collaboration with **Carnegie Mellon University, USA.**

* **Bachelor of Technology** in **Information Technology,**

From **VNR VJIET, Hyderabad** Affiliated to **JNTU, Hyderabad.**

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| **Project Profile** | **Cisco Systems, Inc with HCL Technologies (September 2013 to February 2015)** |

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| **Project #1: IOS for Cisco 7600 Router** |  |

**Description:** The Cisco 7600 Series Router is the industry's first carrier-class edge router to offer integrated, high-density Ethernet switching, carrier-class IP/MPLS routing, and 10-Gbps interfaces, benefiting enterprises and helping enable service providers to deliver both consumer and business services over a single converged Carrier Ethernet network.

* IPC open port connectivity functionality to open IPC client port on logical slot.
* CLI functionality to enable/disable user services in a router devices.

**Contribution:**

Involved in issue analyzing and sustained developing.

**Skills:**

C, Linux system and IPC concepts, and UNIX Network Programming in Red hat Linux Operating System.

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| **Project Profile** | **ECI Telecom R&D, Bangalore (June 2011 to September 2013)** |

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| **Project #1: Swift Automation Framework** |

**Description:** Swift is a test infrastructure framework developed in Java to test ECI Telecom router features like OTN technologies, L2 and L3 protocols and various services. This infrastructure uses XML for test setup details and executes test case using different utilities developed under this framework.

* Enhanced with additional feature requirement in Swift framework for 10G/40G/100G supported L1 Service cards.
* OLP (Optical Link Protection card) is a specially designed for Traffic Protection with maintenance operations; feature requirements and Script is integrated into swift.
* GCC (General Communication Channel) code development feature is integrated for all OTU ports to analyze for in-band management purpose.
* HA, Stress, ODU XC (cross connects) feature for devices. This feature is for analyze Stand-Alone cards does not affect on traffic in fabric supported card.
* Code development for PM (Performance management), FM (Fault management), Traffic and Port protections are features to analyze on L1 service card for the protocol like OTU, STM, ETY and FC ports.
* System Management services is a feature to analyze System Services like TELNET, SSH, FTP, DNS and with Security Services like TACACS, RADIUS authenticates servers between devices and in a network.

**Contribution:**

* Involved in designing and documenting the process of developing the project.
* Coded many areas, debugging issues and integrating modules.
* Involved in making stable and migrate the entire test from old testing to new testing environment.
* Being an important contributor and team member to the project brought many enhancements to the existing system.

**Skills:**

Core Java with Eclipse IDE, Digital Light Wave NIC (Protocol OTN, SDH, SONET, Ethernet, and Fiber-Channel Packet Traffic Generator) in Windows-XP and Cent-OS Linux Operating System.

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| **Project #2: ITTS Test Manager** |  |

**Description:** ITTS is automated with existing infrastructure for loading the results into ITTS database tables and scripted several web pages to see the overall status results of individual test case features.

**Contribution:**

* Involved in all activities in this project from scratch.
* Designed, Developed, Mapping requirement with execution code and cron job for inserting results to Database.
* Scripted web pages to see results.

**Skills:**

Core Java, XML concepts, Windows-XP and Cent-OS Linux Operating System.

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| **Project #3: Smoke Infrastructure Framework** |  |

**Description:** Smoke is a test infrastructure framework developed in is a C and Linux to test ECI Router features like L2 and L3 protocols and various services. This infrastructure uses TCL scripts for test setup details and executes test case using different utilities developed under this framework.

**Contribution:**

Enhanced with additional feature requirement and issues fixed in Smoke for managing the execution sessions.

**Skills:**

C and Linux system level concepts in Cent-OS Linux Operating System.

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| **Academic Project Profile** | **MSIT, JNTU-Hyderabad (June 2009 to June 2011)** |

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| **Project #1: Instant Chat Server (LAN)** |  |

**Description:** Chat Server is a command based application used to chat with friends who are connected in a LAN and even transfer file between two clients who are in chat list. TCP/UDP transmission protocols are communicated between Server and Clients programs.

**Feature’s implemented between Server and Clients**

**Between Server and Client Modules:**

1. Login Authentication
2. Registration (with Validation)
3. Add and Display friends chat list (with online status)
4. Log information (Users Operational and Login History)
5. Logout (with safe data storage in server).

**Between Client to Client Modules:**

1. Online chatting (Single and Group chatting).
2. File Transfer between clients.

**Contribution:**

Involved in complete code designing, developing and analyzing.

**Skills:**

C, Data Structures, Linux system level concepts, Multi-Threading, Signals, and UNIX Network Programming with TCP/IP concepts in Fedora Linux Operating System.

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| **Project #2: MSITP (File Transfer Protocol Simulation)** |  |

**Description:** The theme of the project is to design a protocol through which we can upload or download files and simulated some basic Linux CLI commands as part of the project.TCP transmission protocol is communicated between Server and Client programs.

**Feature’s implemented between Server and Client**

**Between Server and Client Modules:**

1. Login Authentication
2. Registration (with Validation)
3. File Transfer between Server and Client (Downloading and Uploading)
4. Linux CLI command operations on server (Like ls, cd, mkdir, rm, cp.... etc.,)
5. Log information (Users Operational and Login History)
6. Logout (with safe data storage in server)

**Contribution:**

Involved in complete code designing, developing and analyzing.

**Skills:**

C, Data Structures, Linux system level concepts, Multi-Threading, Signals, and UNIX Network Programming with TCP/IP concepts in Fedora Linux Operating System.

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| **Project #3: RRS (Railway Reservation System)** |

**Description:** Implemented real world scenario of Indian Railway System with features like train scheduling, booking tickets, cancellation tickets etc.

**Features implemented:**

1. Login Authentication
2. Registration
3. Train Details (Source to Destination)
4. Seats Availability Details
5. Booking and Cancelling Tickets (With Printable Statements)
6. Log Maintenance

**Contribution:**

Involved in complete code designing, developing and analyzing.

**Skills:**

C and C++ with Data Structure concepts in Windows-XP Operating System.

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| **Projects Profile in Training** | **DEPIK Technologies (January 2008 to December 2008)** |

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| **Project #1: Trivial File Transfer Protocol (TFTP)** |  |

**Description:** Trivial File Transfer Protocol (TFTP) client is implemented as per server communicating packet rules mentioned in RFC, which is used in downloading a file from remote system i.e., Host system to Target system.

**Implemented with Supported Packet format as per RFC mentioned**

1. Read request (RRQ)
2. Write request (WRQ)
3. Data (DATA)
4. Acknowledgment (ACK)
5. Error (ERROR)

**Contribution:**

Involved in complete code designing, developing and analyzing.

**Skills:**

C, Linux system level concepts, and UNIX Network Programming with TCP/IP concepts in Fedora Linux Operating System.

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| **Project #2: Post Office Protocol (POP 3)** |  |

**Description:** Post Office Protocol (POP 3) client is implemented as per server communicating packet rules mentioned in RFC, which is used to retrieve emails from the server and display received information on client console.

**Implemented with Supported command packet format as per RFC mentioned**

1. USER Valid in the AUTHORIZATION state
2. PASS
3. QUIT
4. STAT Valid in the TRANSACTION state
5. LIST
6. RETR
7. DELE
8. RSET
9. QUIT

**Contribution:**

Involved in complete code designing, developing and analyzing.

**Skills:**

C, Linux system level concepts, and UNIX Network Programming with TCP/IP concepts in Fedora Linux Operating System.

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| **Personal Details** |

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|  | Name | Varaprasad Survi |
|  | Father Name | S. Laxmi Narasimha |
|  | Date of Birth | 30th July 1983 |
|  | Language known | English, Hindi & Telugu |
|  | Permanent Address | 7-1-617/A/2, Ameerpet, Hyderabad – 500016 |

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| **Date :** | - - 2015 | **(Varaprasad Survi)** |
| **Place:** | Bangalore |