**Career Objective:** Working towards the achievement of the organization’s objective for the attainment of goals, with the willingness to learn from exposure.

**Experience Summary**

* Working as a Senior Software Engineer in **Eximius Design, Hyderabad** from Jun 2019 to till Date.
* Worked as a Senior Engineer in **Larsen & Toubro Technology Services**, Bangalore from Dec 2015 to Jun 2019.
* Worked as a Testing Engineer in **Nodway Solutions** at Chennai from Jul 2013 to Dec2015.
* 6+ Years of **Manual and Automation** testing experience on Routing, Switching and Android Applications.

**Work Summary**

* Worked in **Marvell Technology Group** on **Hardware Security Module (HSM) Automation testing**.
* Worked in **ARRIS Group, on Android Application testing (Set top Box).**
* Worked in **Cisco Video Technologies, Android Application testing** on **YES** and **NET app**
* Worked in **CISCO Systems** on **Customer Found Defectives** (CFD) and **Feature testing**.
* Reproducing Customer seen defects by building test topologies and automating the test scenario with the test scripts.
* Good experience on Manual and automated testing on routers like ASR1000 series routers like ASR1001, 1002, 1006, 1009-X, 1013 and Cisco catalyst series switches like 3850, 3750& 3650.
* Experience with Platform/test card specification, debug and bring up in lab.
* Identification of Topologies as per Client/Customer Requirements.
* Experience in Test Planning, Test Preparation & Test Execution.
* Experienced in Automation using **TCL/Python** scripting.
* Hands on Experience on protocols like VLAN, STP, RSTP, RIP, OSPF, DHCP etc.
* Diagnostics of hardware, software and fault Management as well as performance monitoring.

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| --- | --- |
| Domain | Networking & Embedded (Android Application, STB & HSM) |
| Scripting Language | Python |
| Protocols | VLAN, STP, RSTP, RIP, OSPF, ARP, TCP/IP, DNS and DHCP. |
| Bug Tracking Tool | JIRA, CDETS, TIMS, Test Link. |
| SCM | GIT, CVS, Bitbucket. |
| Troubleshooting Utilities | Wire shark. |
| Traffic Generators | IXIA (explorer), Spirent. |
| Cisco Devices | Cisco ASR1001,1002,1004,1006,1009-X,1013 & Cat 3850,3750 & 3650 |

**Skills**

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| --- | --- |
| MCA | Master of Computer Application from JNTU (HYD) |

**Educational Qualification & Certifications**

**Project 1:**

**Project Details**

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| Project Name | Hardware Security Module (HSM) automation testing (Marvell Technology group) | Duration | Jul 2019 to Till Date |
| Team Size | 18 people |
| Description | Hardware security module (HSM) is a physical computing device. It seamlessly offloads key Generation and crypto operations giving maximum performance and keeping the security intact. It can be used for cloud solutions as well as plugged-in to OEM’s. Our HSM consists of 64 cores and divided into 32 partitions. Each partition has 2 cores. Using Python Automation scripts, we supposed to provide the security to this device (HSM). And we generate symmetric and asymmetric keys in the process of providing security to the each partition of the HSM card. | | |
| Role & Contribution | Role: Senior Automation Engineer  Contribution:   * Writing the automation scripts using python. * Generating Asymmetric and Symmetric keys for providing security to HSM card. * Raising the bugs in Jira based on the priority and severity if bugs found. * Executing the scripts on the Execution server. * And push those passed scripts to the Git bucket for the review. | | |
| Tools | Test Link, Jira, Bit Bucket and GIT | | |
| Programming/Simulation Tools | Python scripting | | |

**Project 2:**

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| Project Name | Android application automation testing (ARRIS Group, Inc.) | Duration | Jul 2018 to Feb 2019 |
| Team Size | 12 people |
| Description | Android TV is a mainstream set-top operating system which enables Pay TV service providers to deliver a rich customer experience on the main TV. FEATURES:  * DVB tuners (DVB-C, DVB-T2, DVB-S2) * Multicast video for IPTV * DVR / PVR / Time-shift TV * Models available with external disks for DVR/PVR, or disk-less set-tops for network based DVR/PVR * Conditional Access and DRM security systems * Multichannel audio * Subtitling * Parental controls * Easy migration between software platforms and secure software downloads * Remote management and monitoring * Bluetooth Low energy (BLE) remote control with voice search | | |
| Role & Contribution | Role: Automation Test Engineer  Contribution:   * Test Case planning and preparation. * Prepare python scripts as per test plan. * Analysis of logs taken during Testing, identifying defects, rising tickets & follows up with them. * Modify the script as per the application behavior. | | |
| Tools | Jira, Digital CRM, MIB Browser | | |
| Programming/Simulation Tools | Python scripting | | |

**Project 3:**

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| --- | --- | --- | --- |
| Project Name | Customer Found Defects (Cisco Systems) | Duration | Jan 2016 to Jun 2018 |
| Team Size | 6 people |
| Description | Feature testing for ASR1K in various System configurations, integration testing. | | |
| Role & Contribution | Role: Validation Engineer  Contribution:   * Test Case planning and preparation. * Perform lab testing of feature integration. * Creating new test topology, analyzing test coverage and identifying scripts for integration on the test beds. * Identifying test holes by analyzing the trend in customer found and automating the test scenario with the test scripts. * Analysis of logs taken during Testing, identifying defects, rising tickets & follows up with them. | | |
| Tools | CDETS, TIMS, ABS, Ixia | | |
| Programming/Simulation Tools | TCL and Python scripting | | |
| Key Achievements | Got appreciation from customer for Contribution in brings up more than 100 devices for LAAS set up and updated that devices in LAAS application. (LAAS is a online application to reserve the test bed) | | |

**Project 4:**

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| Project Name | **Quality Improvement Program (QIP**) ASR1K-**Chassismgr**&**Rommon components** | Duration | Oct 2016 to Mar 2017 |
| Team Size | 2 people |
| Description | Feature testing for the components asr1k-chassismgr and asr1k-rommon components. Especially, asr1k-chassismgr component contains issues on environment, PEM’s, fans, different error messages, I/O Device faults, LEDs, File system issues etc. In this test plan, we are looking only at the Environmental monitoring; Fan and PEMs devices of ASR1K family of routers as the total volume of the CFD/IFDs are too many under this component and also on Rommon upgrade issues. Lot of evolution has happened on the PEM and Fan units of the ASR1k family starting from ASR1002/6/13 to ASR1001HX/2HX. | | |
| Role & Contribution | Role: Senior Test Engineer  Contribution:   * Test Case planning and preparation. * Perform lab testing of feature integration. * Analysis of logs taken during Testing, identifying defects, raising tickets & follows up with them. * **Automation testing using python** | | |
| Tools | CDETS, Ixia | | |
| Programming/Simulation Tools | Python scripting | | |
| Key Achievements | Got appreciation from customer for QIP (Quality improvement program) for Chassis Manager for all ASR1K Devices in Python automation | | |