

Immediate Joiner

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Professional Summary

- 11+ years of experience in Software Industry
- Strong experience in **Software Testing, DevOps, Cloud architecture, Deployment**
- Worked in Cloud Architectures like **OpenStack, VM Ware, AWS and DevOps Tools**
- Worked in **Manual Testing, Automation testing, Accessibility Testing**
- Worked in **SFDC Salesforce** DCPN Case Management
- Worked in Platform team PAAS, Infrastructure team IAAS, Testing team, Bug resolving team and Escalation team
- Good experience in Test Planning, Strategy, Execution, Team management, Risk management and Test Reporting
- Experience in STLC, Test bed setting, installation on the nodes.
- Worked as a Scrum Master and in Program Management Team

Professional Experience

- Worked as a Technical Lead in HCL Technologies, Sholinganallur, Chennai from 2Feb2017 to 6Oct2023
- Worked as Software Engineer in Infinite Computer Solutions, MEPZ Tambaram, Chennai from 25April 2012 to 30Jan 2017

Technical Skills

Domain Knowledge	- Cloud Computing, Virtualization, Software Defined Networking, Testing, Agile, Computer Networking
Cloud Architecture	- OpenStack, VMWare, AWS
DevOps Tools	- Jenkins, Git(Version Control), Puppet, Ansible
Languages	- Python, Shell, Selenium, Java
Operating System	- RedHat, Linux, Sun Solaris, Ubuntu, Windows
Web Technologies	- HTML

Project Profile

Cisco Policy Suite, HCL Technologies

Client/Office	Cisco/ HCL Technologies(2021-2023)
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Project Description	<ul style="list-style-type: none"> • Cisco Policy Suite for Mobile is a carrier-grade policy, charging, and subscriber data management solution. It helps service providers rapidly create and bring services to market, deliver a positive user experience, and optimize network resources. • Policy and Charging Rules Function (PCRF) is the software node designated in real-time to determine policy rules in a multimedia network. As a policy tool, the PCRF plays a central role in next-generation networks.
Skills	Networking, OpenStack, VMWare, Python, Shell, Git, Jenkins, Ansible, Puppet
Role	Technical Lead
Responsibilities	<ul style="list-style-type: none"> • Worked as Technical Lead cum Business Analyst, communicating with multiple customers, understanding their requirements, providing functional ideas to the Dev team, working along with the testing team, involved in Platform Team, Deployment and Testing activities in PCRF Architecture. • Worked with the Customer issues, Change Requests, with multiple customers AT&T, TMobile, Verizon • Worked in resolving PSIRT bugs, CDETS, BEMS Escalation handling and troubleshooting • Worked on CDET with UT, Static analysis, code review • Network security and fixing the Vulnerability related issues

VMWare vSAN Project, HCL Technologies

Client/Office	VMWare/ HCL Technologies(2021)
Project Description	VMWare vSAN Certification project involves multiple customers participating the certification, enabling features, approving the Change requests from ESXi 6.x to the latest 8.x
Skills	Salesforce DCPN, Bugzilla, JIRA, Log Guru Dashboard, Confluence, Python
Role	Technical Lead

Responsibilities	<ul style="list-style-type: none"> • Working as Senior Test Lead cum Business analyst in the VMWare vSAN Certification project, testing the vSAN end to end for multiple customers participating for VMWare license certification • In the Salesforce DCPN case management, receive the requests, verify and validate their requirements with the Business requirement document, approving, then the customers will run the test suite for the required ESXi version, associating it with the Bugzilla & JIRA, reviewing the logs submitted by the tests, and running the test successfully • Test results analysis, check with the feature supported and if Change Request initiated, coordinate with the approval and then with the engineering team for the log review and troubleshooting it. • Perform the log review, troubleshooting, work with the listing team to get the certification done. • Preview the listing and validate with the customer, list in the VCG
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Cisco Evolved Programmable Network Manager, HCL Technologies

Client/Office	Cisco/ HCL Technologies(2021)
Project Description	<ul style="list-style-type: none"> • Cisco Evolved Programmable Network Manager EPN Manager is designed for element and network management systems. It provides simplified, converged, end-to-end lifecycle management for carrier-grade networks of all sizes. Businesses can improve agility and operational efficiencies through automated device operations, fast provisioning, and proactive assurance.
Skills	Accessibility Testing, JAWS Tool, WCAG 2.1
Role	Test Lead

Responsibilities	<ul style="list-style-type: none"> • Worked as Test Lead cum Business Analyst in the Cisco EPNM for the User Interface Accessibility Testing, preparing the Requirement Specification document, prepare the RTM Requirement traceability matrix • Testing the end to end of the Cisco EPNM UI from perspective of the Motorically, Visually Impaired and Blind users for Accessibility Testing and ensure the application function correctly and meets the user requirement. • Test Planning, Strategy, raising the defects, and testing holistically to provide a barrier free User Interface
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SDWAN – Cisco, HCL Technologies

Client/Office	Cisco/HCL Technologies(2019-2021)
Project Description	SD-WAN WAN optimization technologies for efficient delivery of the application data across WAN, deploy SDWAN controller with vManage, vSmart and vBond, organizations can connect all of their offices to a central network, which can increase control and flexibility. Centralized, policy-based management lets a network engineer put more (or less) traffic on broadband links at any time without having to reconfigure routers and gateways on an individual basis. WAAS Central Manager GUI to centrally configure and monitor the WAEs and application policies in your network
Skills	Selenium Web Driver, TestNG, CDETS, Linux
Role	Technical Lead
Responsibilities	<ul style="list-style-type: none"> • Understanding the functional & Business requirements of the Application • Build test environments to verify that the network-under-test meets design and performance requirements • Linux machine deployment in vSphere client • Executed test cases including slight modification of testing scripts during regression testing • Defect reporting, defect tracking and preparing test reports

On Demand Infrastructure with DevOps Solutions, HCL Technologies

Client/Office	Cisco/HCL Technologies(2017-19)
Project Description	On Demand Infrastructure with DevOps Solutions
Skills	SDN, OpenStack, VMWare, Python Testing, Shell, Jenkins, Ansible
Role	Technical Lead
Responsibilities	<ul style="list-style-type: none">❖ <i>On demand Infrastructure</i><ul style="list-style-type: none">• Provisioning OpenStack and VMWare on the UCS• Write scripts to automate installation process❖ <i>Dashboard</i><ul style="list-style-type: none">• Build: Build Status and Build infra detail• Test: Test Status and Test Infra detail❖ <i>Work flow Automation</i><ul style="list-style-type: none">• Using Cisco WAAS image• Collecting Inputs for build automation.• Deployment of Multinode OpenStack, VMWare, Installation in Cisco UCS• Worked in deploying On Demand Infra with Cisco products like CPS, WAAS and SCE images.• UCS Installation, installing the Opentack, VMWare architectures, VM Inventory management• OpenStack installation in the UCS Blades, automating the process to optimize the duration of installation.• Written scripts to Automate the Testing process

UI Automation Framework for SDN Testing for SDN Controller

Office	Infinite Computer Solutions(2016-17)
Skills	Python, Selenium

Project Description	SDN Testing using UI Automation Framework Controller Management System (CMS) is a Framework or a platform to manage the SDN controllers and their applications. It sits on top of SDN controller and acts as a middle man for SDN controller(s) and the application(s) hence the applications are controller independent (application will be compatible for any controller)
Role	Automation Engineer
Responsibilities	<ul style="list-style-type: none"> • Developed Test Automation Framework using Python Selenium • Created libraries for testing ODL Controller's GUI/Functionality testing • Created libraries for testing ONOS Controller's GUI/Functionality testing • Involved in CMS Application testing using Python and REST APIs • Tested CMS with multiple controllers and northbound applications

Nokia SBC

Client/Office	Nokia/ Infinite Computer Solutions(2016)
Skills	OpenStack, Testing, Putty, WinSCP, WireShark, Cloud knowledge
Project Description	Nokia Session Border Controller (SBC) gives communications service providers (CSPs) economical and reliable means to secure and control media and signalling streams that cross the edges of the IMS network.
Role	Deployment Lead
Responsibilities	<ul style="list-style-type: none"> • OpenStack Deployment Engineer • Orchestration of the VM

OpenStack – Highly Available Load Balancer Using Mistral

Office	Infinite Computer Solutions(2016)
Skills	YAML, JSON
Project Description	Openstack Mistral
Role	Deployment engineer

Responsibilities	<ul style="list-style-type: none"> • Configuration and Testing. • Constructed YAML Template for creating, configuring Load balancer VMs using Mistral • AWS shopping website that has its lowest price offer extended for a week and hence it has an overwhelming response for its users to purchase the product, on train ticket booking for a particular time frame in a day, the server hosting these applications will be overloaded with the requests and will drop the requests, the highly available load balancer using Mistral is the solution to these scenarios. • This can be scheduled in Mistral cron to run the workflow every year on specific occasions or every day for a specific time frame, so that there will not be any manual intervention during the time frame. The load balancer will automatically spawn members and delete them as per the threshold limit.
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OpenStack – Auto Scaling Using Heat

Office	Infinite Computer Solutions(2016)
Skills	YAML, Openstack
Project Description	Openstack Celiometer
Role	Deployment & Automation Engineer

Responsibilities	<ul style="list-style-type: none"> • Configuration and Testing. • Constructed HOT Template for auto scaling the instance with their CPU and Memory utilization. • Using Celiometer monitoring the CPU and Memory usage of each running instance in the compute node. • When the CPU and Memory usage crosses the threshold value the alarm gets triggered and will invoke the HOT template • The HOT template creates multiple instances if the threshold is high using the VM Snapshot image, with pre-installed applications, so that the machine can be readily used by the users. • Similarly, HOT template will delete one or multiple VMs when the threshold value reaches the minimum. Thus, achieving auto scaling.
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ELK stack with Subscriber Data Management and ODL controller

Office	Infinite Computer Solutions(2015)
Skills	Elasticsearch, Kibana and Logstash
Project Description	<ul style="list-style-type: none"> • ELK stack search analysis, managing the Subscriber Data using MongoDB and performed search process using ELK stack. • Displaying the Logger mechanism of the SDN ODL controller and displayed via ELK stack
Role	Test Engineer
Responsibilities	<ul style="list-style-type: none"> • Installation of ELK • Testing the ELK with the Subscriber data • Performed the search process of Subscriber Data using MongoDB and displaying via ELK stack. • Performed the search process of Logger in the ODL controller and displaying via ELK stack.

Alcatel Lucent - Subscriber Data Management

Client/Office	Alcatel Lucent/ Infinite Computer Solutions (2012 – 2015)
Skills	Solaris OS, Unix, Linux, Putty, Test bed configuration
Project Description	PHS is a wireless phone network that uses cordless phone technology and utilizes small cells (about 500 meter radius) of Base Stations to transmit the digitized signals. PHS is less expensive than the most cellular phone systems. PHS was started in Japan in 1995 and Willcom is a one of the major PHS service provider at Japan. Alcatel-Lucent providing hardware and software support for PHS SCP (Service Control Point) system of Willcom, Japan.
Role	Test Engineer
Responsibilities	<ul style="list-style-type: none">• Testcase preparation, creating test scenario, test data, executing scripts to automate the testing.• Preparing Testcase summary and bug tracking.• Troubleshooting, resolving and re-running failed jobs until successful completion.• Installations of PM and IPU nodes in SCP.• DDTS /JIRA tickets resolving.• Performed Regression Testing after fixing bugs and verified that fixes didn't create problem, verified by using JIRA tool.

Educational Qualification

- **Bachelor of Engineering B.E** in Computer Science from Einstein College of Engineering, Tirunelveli, Anna University, Chennai during 2006-2010 with First Class.
- **H.S.C** from Sarah Tucker Girls Higher Secondary School, Tirunelveli, during 2004-2006 with First Class.
- **S.S.L.C** from Sarah Tucker Girls Higher Secondary School, Tirunelveli, during 2003-2004 with First Class.