

Ramsubramanian Senthil

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2282 Chevron Prince Path, Oshawa, ON L1L0K8, Canada

EXPERIENCE

Quality Assurance Analyst, Cognizant Technology Solutions, USA Feb 2017- Present

Professional Quality Assurance Network Analyst with experience in Networking/Telecommunication.

Contribution to developing test strategies and designing quality assurance practices which includes identifying, reproducing and resolving product defects.

Ability to maintain balance between multiple perspective: - Business, Technical, Customer and Operations.

Testing framework, Network Resource Management, Release deployment rollout, Infrastructure Provisioning and support of key Comcast broadband service and SDWAN technologies.

Implementing Software Development Lifecycle in the areas of planning, creating, executing, tracking defects and Root Cause Analysis for the issue.

Maintain Key Performance Indicator (KPIs) around the testing performed within the team

Responsible for white box and black box testing of the Customer Premise Equipment (CPE)/vCPE products and interfaces

Participate in defect management and triage functions

Intermediate knowledge on Selenium, HP QTP platform automation testing.

Network Consultant, Comcast Cable Communication LLC, USA. Feb2016- Mar2017

System Integration Testing (SIT) of Comcast logical and Inventory Provisioning Services (CLIPS) for SDWAN, NFV, Metro-Ethernet, Broadband products

Cisco Certified Network Associate Routing and Switching

Technologies implementation by Orchestration, Provisioning and Management.

Technical POC with Commercial Engineering and Service Delivery teams to maintain network capacity and availability.

Collaboration with Product and development teams to identify product and technical requirement.

Knowledge on ethernet products offering (EDI, EPL, EVPL, ENS) and Business access methods (Fiber, EoHFC)

SDWAN NFV functional testing – High level design documentation and integration testing of OSS system for service fulfillments, service activation and service assurance functionalities for the existing Ethernet service, Managed services, Internet Services and IP-VPN services of SDWAN

Background in SDWAN/Metro-E Design and deployment of complex data networks in commercial markets.

Hands on experience in evaluating, designing, deploying and supporting LAN/WAN environments.

Troubleshoot Network outages, Network latency and CPE failure.

Graduate Student Assistant, USF, Florida Jan 2015- Dec2015

Wi-Fi Indoor localization with neural network RSSI algorithm, Privacy and security measures

RFID center for applied research- Consumer market and Supply chain management approach

Network Engineer Intern, Airtel, India June 2015-August2015

Interface Mapping Analysis (Iub, IuCS, IuPS, FG2C cards) and RNC wise bandwidth provisioning

Synchronization and Authentication in 2G/3G/4G Networks

Network Planning and Cluster management with **AriesoGeo Tool**

Incidental management: Identifying, logging, Incident escalation, Resolution and closure in Network Operation center

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Radio Network Optimization (RNO) Engineer, Reliance Jio Infocomm, India Jan 2014- July2014

Worked with professional staff on engineering design and detailing on Network Architecture planning, Deployment and Optimization in **LTE (4G) systems**. Capacity/congestion analysis of the network element.

Definition of the optimization radio network elements and KPIs. Produce performance reports to senior management

RF Parameter measurement (Azimuth, MDT, EDT, antenna type/height, feeder type)

Radio frequency and Spatial Temporal analysis of the data from the Agilent Spectrum Analyzer.

EDUCATION

Master of Science in Electrical Engineering

University of South Florida, Tampa, FL

Dec 2015

GPA:3.42/4.0

Bachelor of Engineering in Electronics and Communication

Anna University, India.

May 2014

TECHNICAL SKILLS

Operating System

- Linux based Distributions
- Windows OS (all Version)
- Apple OS

Databases

- MySQL
- TOAD
- Microsoft SQL Server

Programming Language

- Java
- C/C++
- Python

Hardware

- SDWAN ucpe Device activation (Lanner and Advantech device)
- CMTS and NidCPE activation
- Test Turn Up and Activation

Tools

- Selenium Eclipse
- QTP
- Brackets
- Service Incident and ticket Management -BMC remedy
- Service Assurance application (Ciena Blueplanet/ Teoco Helix)
- HP Application Lifecycle Management, HP Quality Center
- REST/SOAP API Testing
- JIRA and Rally
- Filezilla Server and Client -FTP/FTPS

Networking

- Software Defined Networking (Active Core)
- Network Function Virtualization (Versa/Silver peak NFV)
- Next Generation Networks
- Wireless API
- Metro Ethernet and Broadband Technologies
- Amdocs Cramer OSS/BSS suite
- Century Product suite
- Networking Service Assurance and Performance Management
- GSM/CMDA/LTE Technologies

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CERTIFICATION

Amazon Web Service Solution Architect – Associate

Amazon Web Service Sysops Administrator - Associate

JavaScript Fundamentals and Scripting by Pluralsight

Aug 2017

Fundamental of Devops – eLearning

July 2017

Cisco Certified Network Associate by Cisco Networking Academy

Feb 2014

Introduction to Cyber security by Cisco Networking Academy

Feb 2014

Red Hat Enterprise Linux 6 in Career Development Center HCL

May2014

Introduction to Programming Using Python by edX

Aug 2015

4G Broadband LTE by IEEE Xplore e-learning

Cloud Based Solutions for Big data by IEEE Xplore e-learning

June 2015

Cadence Virtuoso Simulation organized by Cadence Design Systems India Pvt. Ltd

PROJECTS

Neural Network Wi-Fi RSSI Analysis based on indoor location monitoring

College of Engineering Research Day poster presentation conference on **Wi-fi Indoor Localization Mapping**

PAPR Reduction Technique based on PTS and SLM scheme in **OFDM** data rate transmission

Frequency and time Synchronization and **Multi-Dimensional analysis** in Wireless System.

Weighted Fair Queuing and **Round Robin Technique routing** packet mechanism in Matlab

Network planning and analysis using **AriesoGeo (JDSU Mobility Management tool)**

IuB, IuPS, IuCS interface management bandwidth analysis in Telecom network (Cisco ASR 9000, Juniper EX4200)

EXTRA-CURRICULAR AND LEADERSHIP ACTIVITIES

Distinction in grade-5 and 6 Theory of music instituted by '**Trinity College London**'

Aug 2011

Outstanding achievement award of Electrical Engineering graduate portfolio

Dec 2015

Microsoft Developer Network group, Treasurer

Dec 2014