

OBJECTIVE

Seeking a full-time position as SDET/QA to utilize my technical, interpersonal and problem-solving skills.

EDUCATION

Degree	Year	Institute/School	%
Bachelor of Engineering, Computer Science & Engineering	May 10	Kongu Engineering College (Anna University, Chennai, India).	88/100

WORK EXPERIENCE

Distrix Networks, Software Development Engineer in Test

- Test and DevOps Infrastructure** May 2016 to Nov 2017
- Designed and implemented test and devops infrastructure which included setting up Gerrit Servers, Jenkins for CI, Test Link for test case management
 - Maintenance activities for DevOps - Gerrit, Jenkins, TestLink, VMWare Servers
 - Docker Registry for private docker images, dockerize application
- Test Framework and Test Planning**
- Design and implement test framework for testing the REST API
 - Automate functional test cases
 - Perform functional, integration, regression and performance testing
 - Integrate Code review, CI and functional test such that it runs per commit basis
- Software Development:**
- Test framework development using Python, Ruby
 - Unit test CPP Test
- Tools:**
- Gerrit for code review
 - JIRA for Bug Tracking and Sprint Planning
 - GIT
 - Jenkins for CI
- Environments:**
- Chef
 - Docker
 - VMWare
 - DigitalOcean
 - Azure

Senior Test Lead, HCL Axon Canada[Ericsson Vancouver office was acquired by HCL]

- Test Automation Design and Implementation** Aug 2014 to May 2016
- Design test automation software to interface and test with the core infrastructure of a network operating system.
 - Design and implement test infrastructure that aligns with TDD philosophy
 - Design and implement JSON Data driven test case development process
 - Test execution, automation and regression strategy design
 - Design and Implementation of python based extension plugins to legacy C code, that helps in building restful clients for network configuration management
 - Performance benchmarking for the feature
 - Manual and automated testing in Virtual Routers deployed in VMWare Servers
 - Design test api that are similar to describing tests using Cucumber like BDD specifications
- Continuous Integration and Regression**
- Implemented CI system based on Jenkins
 - Hooked in the legacy systems with Jenkins for CI and Regression
- Software Development:**
- API implementation in C
 - Unit testing using CPP Utest
- Tools:**

Senior Engineer - QA, Ericsson India, Bangalore

- Gerrit for code review
- JIRA, Extraview and Hansoft for Bug Tracking
- GIT and CVS for versioning

Functional Testing-Broadband Remote access servers (B-RAS)

- Prime test engineer in vCPE support in Ericsson edge router
- Experience in testing Dual stack, L2TP and LAG related protocols
- Expertise in PPP,DHCP,L2TP, LAG, OSPF, BGP, AAA,RADIUS, TACACS,PPPo6,DHCPv6,ND
- Test automation using PERL scripts
- API creation for test automation using PERL/TCL
- Test plan creation and planning
- Experience working in Agile team

July 2010
to August
2014

Functional Testing-CPG/LTE

- Prime test engineer for dual stack implementation in serving gateway and combined gateway routers
- Prime test engineer for inter-chassis resiliency feature implemented for IPV6 based combined gateway routers for Verizon USA
- Experience in scaling and performance testing

Broadband Remote access servers (B-RAS)-Maintenance Project

- Worked on replicating and verification of the customer bugs for the maintenance releases
- Have worked on 5 maintenance releases
- Have won acclaims from stake holders for staying ahead of target in delivering the work.

Script Optimization – Test Automation/ Test scripting:

- Compiled and consolidated the list of L2TP test scripts for the product.
- Worked in coming up with the consolidated test plan to reduce the number of scripts for regression and consolidate the working of 100s of scripts to 4-5 scripts.
- Total number of scripts for consolidation – 163 and Resultant number of scripts for regression – 4
- Won large acclaims for the project as it reduced the cost and time for the regression

CCC EAL3 Certification Testing – Security Evaluation for product:

- Tester for the CCC EAL3 evaluation of Ericsson Smart Edge Router.
- Was working with the STQC team in Kolkata, India for getting the EAL3 evaluation of the product
- Was posted on-site to work with the Government of India Team to assist them in the Vulnerability analysis of the Box.
- Was actively involved in the vulnerability analysis, EAL3 CCC requirements gathering and testing based on CCC EAL3 norms.
- Responsibilities held – Test Plan conforming CCC norms, Testing and Test report creation conforming CCC norms, local and on-site testing for all the 4 router variants: SE100, SE600, SE1200, SE1200H
- Experience in setting up the router from the scratch and creating network topologies for vulnerability assessment and traffic based testing

Content Developer Intern, Quiz Mine [Wag Mob], USA based Startup

Content Developer [Flash Animation]

- Completed Grade 3 – Grade 12 Science [Physics, Chemistry, Life Sciences] content that has been hosted in the website
- Developed flash based games for Maths that are now sold as Mobile Apps
- Worked remotely as the company was US based

Mar 2009 to
Sep 2009

Software Intern, USA
www.dataminingtools.net

- Worked on compiling research papers to power point presentations to be hosted on the site
- Worked on mini-project – Implementing Outliers for the power readings based on a research paper. Language used: C, Java
- Technical blogger for the site
- Was responsible for developing and hosting the initial framework for the website. Language used: Action Script, HTML, PHP, Java Script

Oct 2009 to
Apr 2010

Programming Languages	C, C++, Java, PERL, TCL, Python, Nimrod, Julia
Network Technologies	TCP/IP, IPv6, L2 L3 protocols
Web Programming	HTML, CSS, JavaScript, XML, JSON
Platforms	Windows family, UNIX, Linux , Raspberry Pi
Traffic Generation Tools	IXIA, Agilent N2X, Wireshark
TDD/BDD	Lettuce, Cucumber
Front end testing	Splinter, Selenium, SoapUI, Codeception, NightwatchJS
Javascript testing	Mocha, Chakram, Chai, Jasmine

MENTORING, TRAININGS AND AREAS OF INTEREST:

- Have completed the **Certified Scrum Master Training**
- **Ericsson Certified Network Associate (ECNA)**
- Working close with the SDN Controller team for development of their Testing Framework design and implementation.
- **Data driven testing** projects and prototypes for internal deployment
- **Testing and Test automation enthusiast.**
- Presentation tools is of special interest- Prezi, Powtoon based presentation
- Strong belief in Agile practices and has advocated and followed **TDD and BDD** to greater extent.
- Enrolled in **AWS Machine learning** course
- Experimenting with **Weka**