 **Pooja Biyani** Phone No: **+91-9975323148**

Email: **pooja.n.biyani@gmail.com**

**SUMMARY PROFILE**

* Have **7 years** and **5 months** of experience in Software testing and Quality Assurance, this includes Manual and automation (Selenium RC and PHP scripting), also designing, implementing, maintaining and improving the testing process. Performed multiple roles across all phases of software developments life cycle.
* Currently working as Principal Quality Analyst since 1st Dec’ 2007 with EXFO Electro-Optical Engineering (I) Pvt. Ltd., Pune.

**SKILLS SET**

Defect Tracking Tools: JIRA and Defect Manager

Operating Systems: Windows and Linux

Scripting: PHP, VB Script macros, TCL

Database: MySQL, Oracle, SQLLite

Technology Skills/Tools: PHP, Selenium, SOAPUI Tool, LABVIEW Tool

Other: API ,Networking concepts, Telnet, Telecom & Datacom products, AGILE

**EXPERIENCE PROFILE**

Working as **Principal Quality Analyst, from October 2007** to **till date** inEXFO INDIA PVT LTD, Pune.

Worked asQuality Analyst, from December 2006 to October 2007, in Jambuster Technology, Pune.

**CERTIFICATIONS**

1. Software testing certification course from SQTL, Pune.
2. Done **ISTQB** (International Software Testing Qualifications Board) foundation level certification.

**FUNCTIONAL SKILLS**

* Good **Telecom domain knowledge** & Product testing expertise.
* Having a good experience in **API Testing** and prepared **PHP script for automating API.**
* Have worked on **complete Testing Life Cycle** which includes requirement analysis, High Level

Test Plan Design, Sprint/Release Plan Preparation, Test Case Preparation, Test Case Execution, Defect Management and Reporting. Serve as a value-adding member of QA teams.

* Good experience in **automation testing** tool such as selenium & QTP. Automation Tool Selenium with PHP, My SQL, Auto It tool.
* An expert in different Software testing like Functional testing, End To End Testing, System testing, API Testing, GUI testing, Regression testing, Ad-hoc testing, etc..
* Good exposure to Agile testing methodology (Scrum, SAIL, STAR, GATE, Sign off Document Preparation) and Stage Gate Process.
* Knowledge of Project Management and team handling activities like goal setting of team members for their progress & growth, work assignment project planning and reporting.
* Linux operating system and Telecom and datacom product testing.
* Service Assurance
* Assigning task to the team and generating scrum reports as per the team progress and highlight major concerns of team to the management.
* Self-starter, quick learner and excellent team player, ability to meet tight deadlines

**ACADEMIC PROFILE**

* B.E. in Electronics & Telecommunication Engineering, 2005 with 75.05%.
* Diploma in Electronics & Telecommunication Engineering, 2002 with 81.75 %.

### PROJECT PROFILE

**Project 1:** Brixworx - Service Assurance

**Duration:** 1.3 Months

**Description:** Brix System is a integrated hardware and software solution that delivers end-to-end quality of service (QoS) and quality of experience (QoE) visibility and real-time IP service monitoring and verification for the world's most demanding networks. EXFO is a provider of test and monitoring solutions for network service providers and equipment manufacturers in the global telecommunications industry.

Continuously collects, correlates, analyzes and visualizes critical QoS and QoE data from the network core to the customer endpoint. Implement a high performance connector that will allow the customer to define a specific subset of results previously collected by BrixWorx and export them using one of a variety of methods. Different types of reports are created and also data is display in geographical map. Product was installed on linux. service providers can plan for capacity increases, verify service turn-ups and identify, diagnose and quickly resolve network and service performance issues before customers are affected

**Project 2:** Common Enterprise Platform (CEP)

**Duration:** 1.7 Months

**Technology:** PHP, API’s, EXT JS, Selenium Tool

**Description:** Common Enterprise Platform (CEP) architecture is to handle common tasks of multiple applications which use same features in EXFO organization. CEP is a collection of modules which interacts with each other to provide functionality. APIs is exposed to interact with database or use common features of CEP Modules. Different modules like User authentication, Platform, Logging, Session, Job scheduling etc. are implemented and tested.

Interactive Dashboard is User driven, multi-data sources, rich user interface system that offers highly functional, feature-rich integrated graphical view of business data. Different types of Widgets can be configured easily with drag and drop options.

CEP -Interactive Dashboard can be integrated with any project easily by using only single class of CEP Dashboard Ext-JS.

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**Project 3:** EXFO Connect

**Duration:** 2.6 Years

**Technology**: Cloud basedweb application, API’s, Telecom Domain and general product testing.

**Description:** Goal of this project was to provide end user a solution, using which, the end user can maintain a central repository of the network service assurance tests run by them using EXFO devices. The testing involved, testing of the EXFO Connect Server, which was hosted on Amazon cloud, as well as testing of EXFO Connect .The server was also tested for integration with other real time web services. EXFO Connect is a unified web based solution that provides inventory management, automatic software downloads to EXFO's test platforms, GPS traceability of your units, and also acts as a repository for historical test data which is run by EXFO devices.

EXFO Connect supports Test Equipment Management, License Management, Software Upgrades Management, Application Management, Report Management, User Management, Alerts Management, Test and Measurement Data.

**Project 4:** Babelfish

**Duration:** 0.7 Years

**Technology:** LabVIEW Tool 8.6, TCL scripting, Telecom Domain and general product testing.

**Description:** The aim of this project was to develop instrument drivers which will handle the instrument remotely. A LabVIEW Plug and Play instrument driver is a set of VIs that controls a programmable instrument. Each VI corresponds to an instrument operation, such as configuring, triggering, and reading measurements from the instrument. Instrument drivers help users get started using their instrument from their computer and saves them development time and cost because users do not need to learn the programming protocol for each instrument. With open-source, well documented instrument drivers, end users can customize their operation for better performance. It is created by plug and play architecture. The instrument drivers were created in LabVIEW. C++ COM wrappers were created on top of LabVIEW drivers in Windows and Linux. These drivers can be called form scripting languages like TCL also.  
 The drivers are created for IQS-1500, 1700, 3150, 8150,etc modules.

Lab VIEW is a highly productive development environment that engineers and scientists use for graphical programming and unprecedented hardware integration to rapidly design and deploy measurement and control systems.

**Project 5:** SCPI

**Duration:** 1.6 Years

**Technology:** SCPI Command, Telnet, Telecom Domain and general product testing.

**Description:**  The main objective of this program is to add a layer on top of the existing EXFO’s products that would enable these platforms to accept SCPI commands and initiate the required functionalities. The Standard Commands for Programmable Instrumentation (SCPI) defines a standard set of commands to control programmable test and measurement devices in instrumentation systems. SCPI are like shortcuts to all controls present on UI of an instrument, which internally fires respective event associated with that control. Work on different types of module and platform for SONET/SDH, Fiber Optics and Ethernet testing.

The SCPI over TCP/IP Service is a mediator application between Telnet client and the Testing Instrument. By using ‘SCPI over TCP/IP’ service, one can send SCPI commands to any device from any platform like Unix, Linux, Microsoft, Solaris. Multiple number of clients can be connected using this service and can execute their test cases (script of commands) to respective module to which they are attached without any interference to each other.

**My Roles and Responsibilities as Tester/Lead:**

* + Understanding Requirement MSPR, PTA, PFO and SRS document, High Level Test Planning preparation and working as feature team involved in each and every phase of project including design implementation.
  + Prepared the complete plan, test strategy for the release as per the features getting delivered in the release, the timelines, and the resource utilization and allocation.
  + Involved in Lab setup, Troubleshooting, Test Estimation, Test Case Template Design, , test scenario preparation, Test Case Writing and Execution, Reporting.
  + Done Defect Management for the project. Tracking all team member’s defects and managing quality of defects.
  + Involved in various testing’s like Load & Stress Testing, Feature Testing, Functional Testing, Regression Testing, Sanity Testing, TFP (Test First Pass) & System Testing
  + Assigning task to the team and generating scrum reports as per the team progress and highlight major concerns of team to the management.
  + Creating automation framework for Interactive Dashboard and widgets with Selenium RC tool with PHP script and MySQL database. Done REST API testing and prepared PHP automated script with mysql database.
  + Automated Module and API testing with PHP script which evolves from software download, installation, execution of automated scripts, Logging each steps and sending email of executed results.
  + Involved in automation Framework preparation help of selenium automation tool and PHP script.
  + Test the applications of with the help of Drivers.
  + With the continuous increase in team size, was involved in knowledge transfer processes. As a senior team member, always conducted knowledge transfer sessions, hands-on and reverse KT sessions.
  + Gained proper knowledge in domain and know architecture completely which helped in finding defects in requirement analysis stage itself.
  + Prepared SQA documents for every release and help in preparing testing statistics for SAIL, STAR, GATE documents
  + Involved in getting National Instrumentation (NI) Certification for all drivers.