

**Sumit Sabal**

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A results-focused professional, with a rich and productive experience of 14 plus years; seeking a challenging role in a reputed organization and focus to utilize my skills and experience in Project and Delivery Management.

Currently working as Lead **IOT QA for 1.5 years.**

**Work Experience: 12.5 years of experience in Quality Assurance.**

Company: Filtrex Technologies, a Marmon Water/Berkshire Hathaway Company, Bangalore Karnataka.

# PROFILE SUMMARY

* **A dynamic professional with over 12+ years of rich experience in Delivery and Quality Management**
* Excellent relationship management & interpersonal skills with strong problem solving & organizational abilities. Demonstrated patience and persistence in resolving issues to successful conclusion and keeping projects on-track. Ability to stay motivated and handle multiple competing tasks effectively under high-stress situations.
* Adept in effective communication and coordination with project team and management
* Excellent proficiency in enhancing the process operations; thereby achieving the required quality level in the products.
* Deft in Requirements Analysis, Test Cases Creation, Test Data Creation/ Maintenance, Test case execution, Bug reporting, Defect Tracking and Peer Review.
* Worked on Test management suites Like **Test Rail, managing the test cases.**
* Worked and implemented Static Bug Analysis tool **Coverity**.
* Worked on bug reporting tools such as **Jira, GitLab, Redmine.**
* Worked on Continuous integration tool **Jenkins** for system integration testing and release.
* Worked on scripting language such as shell scripts, python for automated testing scripts for integration and system testing.
* Worked on VOD Server Performance/stress testing tool like **JMeter.**
* Worked on C and UNIX for set top testing.
* Manual testing experience on Set top box testing.
* IPVOD application testing on different platforms e.g., ROKU, APPLE TV, Android stb.
* Extensive experience in OTT BACK-END testing.
* Extensive experience in testing and validating RDK based set top boxes.
* Holding **US B1 visa valid till 2024.**
* **Travelled to Denver, Colorado for deployment testing** and knowledge transfer.
* **Travelled to Amsterdam, the Netherlands,** for customer site product deployment and field trials.
* **ISTQB** testing certification from International Software Testing Qualifications Board. (Foundation). <31 Jan 2016>
* ISTQB certification number**: ITB-CTFL-0018241-India.**
* **Post Graduate Diploma in Business Management** from Narsee Monjee Institute of Management Studies Global Access School.
* **Certificate in Project Management** from Narsee Monjee Institute of Management Studies Global Access School.

**CORE COMPETENCIES**

**~Testing ~Validation**

**~Process Improvement ~Delivery Management**

* Preparing process documents and ensuring adherence to quality standards and maintaining all related documents and communicating with stakeholders
* Conducting internal process reviews for ensuring strict adherence to the process for various projects as Test Lead .
* Performing the complicated special tests & conducting training programs

**ORGANISATIONAL EXPERIENCE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Serial Number** | **Organization** | **Start Date** | **End Date** |
| 1 | Filtrex Technologies, a Marmon water/Berkshire Hathaway Company, Bangalore | December 2019 | Till Date |
| 2 | Evolution Digital India Pvt ltd, Bangalore | March 2016 | November 2019 |
| 3 | Seachange India Pvt ltd, Bangalore | June 2006 | February 2016 |

**Growth Path:**

June’06 – Nov’08: Software engineer.

Dec’08-Dec’10: Senior Software - Testing

Dec’10-Till date: Lead testing

**EDUCATION**

* Post Graduate Diploma in Business Management from Narsee Monjee Institute of Management Studies Global Access School.
* Certificate in Project Management from Narsee Monjee Institute of Management Studies Global Access School.
* Bachelor of Engineering, Electronics and Communication from Visvesvaraya Technological University, Karnataka 2004.
* Diploma in Embedded Software Engineering (RTOS) Crane’s varsity Bangalore in 2005.
* ISTQB testing certification from International Software Testing Qualifications Board. (Foundation).
* Training Experience in Appium for UI Testing.

**Key Result Areas**

* Drive project core teams comprising of cross-functional team members to deliver products to market based upon agreed scope, timeline, resources and quality.
* Program management of multiple key projects. Monitor execution of work against plan and ensure no work is bottlenecked.
* Listing out activities to be performed and sequencing along with dependency determination.
* Validating scope with stakeholders for deliverables and mitigating risks with alternative identifications
* Monitoring and controlling project work scope, schedule and quality with performing integrated change control of escalations.
* Handling the stakeholders and communicating the project progress updates and status at regular intervals during the project.
* Creating reports on the facts and figures for the management
* Performing resource allocation and bandwidth allocation for the projects and tracking
* Coordinating with project team and project managers across other functions for the project
* Analyzing FRS and understanding proposed solutions and providing inputs to the business on required changes in FRS
* Participating in technical discussions and providing inputs on the impact areas thus contributing to improved and better solutions
* Performing Testing Team Management Preparing Test Plan, Test Scenarios and Test data creation. Participated in preparation of Test Effort Estimation in terms of Resource Planning and Time.

**Software Skill Set:**

Programming language : C,

Operating System : Linux, Ubuntu, cross compiler

Scripting language : Xml, HTML, Shell script, python.

Others : Embedded Database (SQLite), ATSC, HANA, MPEG2, DVB specifications,Jira,Jenkins,Test. Testing process and methodology.

Please refer the ANNEXURE for projects:

**PROJECT: 1**

**Title :**  **Acceptance testing and integration tests for the IOT based controllers**

**Start Date :**  December 2019

**End Date** : Till date

**Role** : Test Lead engineer

**Description**: I am working on System, Integration and Acceptance testing **the IOT based controllers**

I am responsible for creating test case by going through the requirement specification(FRS)

As the team setup is at initializing state, I am responsible for the starting the team processes using tool like Jenkins and Test rail.

As the product is undergoing development, working on Test case deployment I work with the team and management to maintain the process.

**Responsibilities**

* As Test lead engineer, key responsibility is to ensure the Implementation of testing the System, Integration and Acceptance testing environments.
* Involved in Test Management of acceptance test cases.
* Verifying the test cases in the Test suites e.g., **Test Rail,** authenticating the test cases.
* Communicating the project progress updates and status at regular intervals during the projects to Development team.

**PROJECT: 2**

**Title :**  **Acceptance testing and integration tests for the Android mobile and IOS platforms for OTT and managed android-based STB.**

**Start Date :**  November 2017

**End Date** : November 2019

**Role** : Test Lead engineer

Description : I am working on System , Integration and Acceptance testing for **the Android mobile and IOS platforms for OTT and managed android based STB.** Verifying the inputs using Headend and updating Test suites.

I am responsible for creating test case by going through the requirement specification.

As the product is undergoing development, my responsibility is to verify the Sprint release as per the Release notes.

I am validating the **Red-mine tickets**, testing for bug fixes and regression is observed.

**Responsibilities**

* As Test lead engineer, key responsibility is to ensure the Implementation of testing the System , Integration and Acceptance testing environments.
* Involved in Test Management of acceptance test cases.
* Verifying the test cases in the Test suites eg **Test Rail,** authenticating the test cases.
* Communicating the project progress updates and status at regular intervals during the projects to Development team.
* Ensuring project related documents and Test reports are maintained and updated.

**PROJECT: 3**

**Project Title :**  **Acceptance testing and integration testing for the RDK based Hybrid STB.**

**Start Date :**  February 2017

**End Date** : October 2017

**Role** : Test Lead engineer

##### Description : I am working on System, Integration and Acceptance testing for RDK based Hybrid set top boxes. Verifying the inputs using Headend and updating Test suites.

I am responsible for creating test case by going through the requirement specification.

As the product is undergoing development, my responsibility is to verify the Sprint release as per the Release notes.

I am validating the **Red-mine tickets**, testing for bug fixes and regression is observed.

**Responsibilities**

* As Test lead engineer, key responsibility is to ensure the Implementation of testing the System, Integration and Acceptance testing environments.
* Involved in Test Management of acceptance test cases.
* Verifying the test cases in the Test suites eg **Test Rail,** authenticating the test cases.
* Communicating the project progress updates and status at regular intervals during the projects to Development team.
* Ensuring project related documents and Test Reports are maintained and updated.

**PROJECT: 4**

**Project Title :**  **Acceptance testing and integration testing for the Legacy STB.**

**Start Date :**  March 2016

**End Date** : February 2017

**Role** : Test Lead engineer

##### Description : I am working on Acceptance testing for DTA boxes. Verifying the inputs using Headend and updating Test suites.

**Responsibilities**

* As Test lead engineer, key responsibility is to ensure the Implementation of testing the Acceptance testing environments.
* Involved in Test Management of acceptance test cases.
* Verifying the test cases in the Test suites e.g. **Test Rail,** authenticating the test cases.
* Communicating the project progress updates and status at regular intervals during the projects to top management and project teams.
* Ensuring project related documents and Test Reports are maintained and updated.

**PROJECT: 5**

**Project Title : Acceptance testing and integration testing for IPVOD application on the STB,ROKU,AppleTV,Anroid STBs.**

**Start Date :**  March 2016

**End Date** : February 2017

**Role** : Test Lead engineer

##### Description : I was working on Acceptance testing for IPVOD application on the STB,Roku IP box.

**Responsibilities**

* As Test lead engineer, key responsibility is to ensure the Implementation of testing the Acceptance testing environments.
* Verifying the test cases in the Test suites eg **Test Rail,** authenticating the test cases.
* Communicating the project progress updates and status at regular intervals during the projects to top management and project teams.

**PROJECT: 6**

**Project Title :**  **Stability Test, integration test and Regression test for Pause live TV (TSB) functionality of STB**

**Start Date :**  Oct 2015

**End Date** : Feb 2016

**Role** : Test Lead engineer

**Tools : Linux,**

##### Description : Implementation of Pause live tv feature of the Set- top middle ware.

**Responsibilities**

* As Test lead, key responsibility is to ensure the Implementation of Pause live tv feature of the middleware is working as per the requirement specification.
* Involved in Test Management of PLTV functionality, right from regression testing, integration testing and bug tracking.

**PROJECT: 7**

**Project Title :** **Regression test for DVR functionality of STB**

**Start Date :**  Nov 2014

**End Date** : Oct 2015

**Role** : Test Lead engineer

**Tools : Linux,**

##### Description : Enhancement of Digital Video Recorder feature of the Set- top middle ware.

As the product was undergoing field trials, my responsibility was to make releases stable with each enhance for the customer.

**Responsibilities**

* As Test lead engineer lead, key responsibility is to ensure the enhancement of the DVR feature of the middleware is working as per the requirement specification.
* Involved in Test Management of DVR functionality, right from regression testing, integration testing and bug tracking.
* Preparation of reports on the facts and figures for the project.

**PROJECT: 8**

**Project Title :** Product static analysistool **Coverity.**

**Duration :** Oct 2013 to Oct 2014

**Role** : Lead test engineer.

**Tools : Linux,**

##### Description : During this period, Worked on the Coverity Static bug analysis tool .I designed Coverity scripts. The Coverity scripts were written in shell scripts.

**Responsibilities**

* As Lead test engineer, key responsibility is to manage multiple projects at the same time
* Implementation and maintenance of Coverity Static bug analysis tool for different code branches.

**OTHER PROJECTS**

**PROJECT # 1**

**Project Title :** Developing and verifying application on IPClient STB.

**Duration :** Aug2012 to Apr 2013

**Description** : During this span being Senior test engineer, I worked with the development team, for the debugging and testing the middleware applications on Broadcom STB97428 based Ip Client STB.

I brought up the Broadcom STB97485 IPClient STB with relevant OS and debugged and tested the APIs.

The test performed were related to stability of the IPClient. The stability and regression test were performed for code base and release was made to the customer.

**Responsibilities**

* Worked as Senior Test engineer, single point contact for development teams of for the product.

**Project # 2**

**Project Title :** Developing and doing the setup of CASIS(conditional access and system information scheduler).

**Duration :** May 2012 to Aug 2012

**Description :** CASIS solution provides a MPEG/DVB-compliant table, access criteria generation and MUX profile scheduling. Whether for cable, terrestrial, satellite or IP networks.

**Responsibilities**

I was responsible for the installation and set up of the CASIS on the dell server and Muxxpert using DTA-2160 card and created the custom SI table for the raw AV streams and using the Muxxpert multiplexed them with the PSI Table.

**Project # 3**

**Project Title :** Developing the code for DVB tables for the STB (eg BAT)

**Duration :** June 2011 to April 2012

**Description :** Digital Video Broadcasting (DVB) is a suite of internationally accepted open standards for digital television.

**Responsibilities**

* I am responsible for implementing the structures for DVB tables for the STB using DVB specification.

**Project # 4**

**Project Title :** Testing for the Native applications (Graphical User interface) for the STB

**Duration :** June 2011 to June 2012

**Description :** Performing GUI test according to the test suite provided by the client.

**Responsibilities:**

* I was responsible to perform test according to the test suite on HD STB (Broadcom 97456).

**Project # 5**

**Project Title :** Testing for the DVR test Application Reference Implementation of Tru2Way Stack

**Duration :** Jan 2010 to June 2011

**Description :** DVR Test Application of True2way stack Reference Implementation on Intel Canmore platform using the test suite.

**Responsibilities:**

* I performed the DVR Test Application of the Tru2Way stack Reference Implementation on Intel Canmore platform.

**Project # 6**

**Project Title :** Tru2way™ Compliance Testing

**Duration :** Jan 2008 to Dec 2009

**Description :** Compliance Test Profiles (CTP)

**Responsibilities:**

* I as a Team lead for the CTP was responsible for creating the test environment and hardware setup. I tested the Vivid logic’s Tru2way Stack with the Compliance Test Profiles (CTP)suite provided by the Cable Lab.

**Project # 7**

**Project Title : User Interface for Middleware for OCAP Set top box.**

**Duration :** Jan 2008 to Dec 2008

**Description :** Ocap is the stack for the Interactive Set Top Box. The GUI is developed to provide the user the flexibility to control the device functions.

**Responsibilities:**

* I worked on Vivid logic’s OCAPTM  and developed/tested of Graphical User Interface using Java AWT and HAVi specification.

**Project # 8**

**Project Title : Middleware for HANA**

**Duration :** Feb 2007 to Dec 2007

**Description :** The Hana-based home network is DTV-centric, with all tuning and decoding hardware residing inside the digital TV. The PC becomes another networked system.

**Responsibilities:**

* I worked on Vivid logic’s Firebus TM stack for HANA Specification and developed C source Code and related library for HANA Middleware.

**Project # 9**

**Project Title : Open Cable Application Platform: Parser (Decoder)**

**Duration :** July 2006 to Feb 2007

**Description :** Parser is a C/C++ source code, which is designed to encode the Input given to it eg XML table or embedded data base Sqllite. Following are the type of Parser:

**Responsibilities:**

* I Worked on Vividlogic’s Firebus TM Stack responsible for development of C source Code and related library

**PERSONAL DETAILS**

**Date of birth:** 7 March 1980

**Marital status:** Married

**Language known** English and Hindi.

**Nationality:** Indian

**Address: Flat 305, Block A4, Ds-Max Stonehill Apartment, Anjanapura Township**

**J P Nagar 9th Phase, Bangalore 560062.**

**Interests:** Playing Guitar, painting, music.

**Declaration**

I hereby declare that the above particulars specified are true to the best of my knowledge and belief.

Date: (Sumit Sabal)