

**Bibhuti Nath Dheeraj**

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**Professional Summary:**

- **Senior QA Tester with 5+ years** of experience in executing and testing of **client server architecture, web and mobile based applications.**
- Proficient in using test automation tools such as **Selenium WebDriver/RC/IDE/Grid/TestNG/Junit** to develop automation testing scripts for web and client server applications
- Experience in mobile applications for iOS and android using tools like Appium, simulator and emulator etc.
- Experience in **MAVEN** to create projects, **JAR files, POM.xml** with artifacts and dependencies.
- Experience in web services and its testing like **REST RESTFULL, SOAP, POSTMAN.**
- Expert in preparing test plan, test cases, test procedure, and test scripts for automated and manual testing as per user requirements and functional specifications of the system.
- Automated Test cases in **TDD (Test Driven Development) and BDD (Behavior Driven Development)**
- Experience in Automation tools like **selenium** load and performance testing tool **JMeter** and Mobile Automation testing tool **Appium.**
- Experience in Performance Testing Using **Apache JMeter** for Load Performance and Performance Testing Like Servlets, Perl scripts, Java objects, Data base, HTTP etc.
- Using POSTMAN for interacting with HTTP APIs, GUI for constructing Request and Reading Response
- Experience in Web debugging tools like **XPath, Fire path, and Firebug** and also provided efficient locators for strategies like **Xpath** and **CSS** to run web driven scripts.
- Experience in Integrations tools like **Jenkins, Cucumber, Integrity**
- Extensive Knowledge **of Quality Assurance standards, methodologies and strategies with better understanding of Software Development Life Cycle (SDLC).**
- Vast knowledge and experience in **Airline, Insurance domain.**
- Experienced in **bug tracking, reporting** and using **Bugzilla** and **JIRA** for global test management.
- Experienced in Octadev tool for deploying codes in different testing tool.
- Expertise in using **FIX Protocol API.** Testing admin and application FIX messages like heartbeat, logon, logout, resend request, reject, sequence, pre-trade, trade and post-trade messages.
- Use **Fix Protocol** to understand various message types. Read and understand the FIX logs and debug if any issues.
- Experience in release planning, iteration planning, the ability to schedule all or parts of requirements from release backlog, and the ability to manage other QA activities using **RALLY**
- Experience in **GIT, Creating** Repository, distributed version control system and source code management (SCM) system with an emphasis to handle small and large projects with speed and efficiency
- Manage testing from beginning to end - -track requirements, test cases, and test cycles
- Knowledge of Automation Tool like Selenium, protractor.
- Test Management tool for Software test I Used **Q-test, Xray.**
- Strong knowledge in Software QA standards, flows and methodologies like **functional**, performance, integration, regression, Sanity testing, Exception testing, Compatibility testing, Security testing and **Accessibility Testing.**
- Experience programming in **Java, Python, HTML, SQL** on Windows XP, Vista Operating Systems and **UNIX** environments.
- Excellent experience with source version control tools such as **Subversion (SVN) & Git.**
- Sound knowledge on **Junit, TestNG** framework for **Unit testing, Maven** and **Ant** for Project **building tool, Jenkins/Hudson** for **Continuous Integration**
- **Performing UI accessibility** advising & consulting to team to make robust HTML, CSS, JavaScript code following with Section 508 the Rehabilitation Act, ADA, WCAG 2.0, and WCAG 2.1 success criteria of level A, AA, and AAA.
- Strong knowledge in Software QA standards, flows and methodologies like **functional, performance, integration, regression, and black-box testing. P Unit testing, Functional testing**
- Knowledge on BPT **Business processes Testing**
- Performed by various resources., BPT helps with **optimization in** the utilization of the resources and their expertise
- Extensively worked on **Data Driven, Keyword Driven, and Hybrid Test Automation Frameworks.**

- User Acceptance Testing, Integration testing, API testing, System testing, Sanity testing, Exception testing, and White/Gray/Black-box testing.
- Experienced in Data **Base Testing** by using SQL & PSQL queries and also worked on ETL testing.
- Utilized Data warehousing to processing the data and using OLTP Database.
- Performed web accessibility testing and as well as remediation PDF, WORD, PPT, Excel, and all other E&IT using JAWS/Window-Eyes as disable people expecting information.
- Experience in working on **Waterfall, Agile (SCRUM) and iterative methodology**.
- Experience in interacting closely with scrum team members and in understanding User Stories to full fill the tasks associated with user stories.
- Excellent analytical, problem solving, communication and interpersonal skills, with ability to interact with individuals at all levels.
- Strong Knowledge of Capital Market including Front, Middle and Back Office systems
- Excellent understanding of capital markets including fixed income, equities and futures/options trading.

#### Skills:

- **Languages:** JAVA, HTML, XML, Basic C and C++, CSS, JavaScript, Python
- **Testing Tools:** Selenium2.0 / 1.0, Selenium web driver, Testing, JUnit, Rational performance tester
- **Web Debugging:** XPath, Firebug, Fire path
- **IDE:** Eclipse
- **Databases:** Oracle and MySQL
- **Test Framework:** Testing, JUnit, Selenium WebDriver and Selenium IDE
- **Office Tools:** Microsoft Office and Outlook
- **Operating Systems:** MS. DOS and Windows

#### Work Experience:

**Hexaware Technologies, Pune, MH, India.**

**Jan 2021 – Till Date**

**Senior Software Engineer.**

#### **Responsibilities:**

- Automation of web application through Selenium 2 WebDriver.
- Used **Selenium Webdriver, java, Junit and Maven** for designing automation test cases.
- Executed test cases in multiple browsers and platforms using **Selenium Grid**.
- Responsible for implementing **page object model (POM)** using **Selenium WebDriver, Maven, TestNG and Java**.
- Involved in implementation of Test Automation Framework build using **Selenium WebDriver, protractor** to handle Angular JS, **TestNG** and **Maven** technologies under Java platform utilizing industry leading harness design patterns and approaches.
- Worked on **Python** scripting to do functional testing
- Performed **manual testing** in physical devices **emulator** and **IOS simulator**.
- Working with manual testers to enable automation suites to be executed on a regular basis to validate the quality of releases as well as builds.
- Performed data driven testing by using JDBC as a data source in **SOAP UI** and configured SQL queries to fetch data from the Oracle database.
- Tested the various Service Oriented Architectures (SOA) spanning across various web services using **SOAP** and **WSDL** across various applications using SOAP UI.
- Managing the automation source code in a version control system
- Working with the Development team to modify applications to accommodate automation when needed
- Experience in Automation and functional validation using cucumber tool
- Used BDD framework to automate the application using cucumber
- Verification and Validation experience in Acceptance testing in cucumber and also maintain Future file, Step Definition, Runner
- QA server maintenance and deployments
- Testing in various environments before production release
- Performed browser **compatibility testing** (Firefox, Chrome, Safari, Opera, Opera mini) of a web-based application to ensure that functionality works fine.
- Analyzed test results and prepared test/defect **summary report** for Sr. Management.
- Utilized Data warehousing to processing the data and using OLTP Database

- Deriving Insight and Reports from the data using BI tools.
- Implemented Regression and Smoke tests execution as separate step of deployment process
- Actively involved with SCRUM and sprint meetings, managing testing backlog, removing obstacles to progress, re-allocating resources where necessary, prioritizing and review milestones and accomplishments
- Test environment setup, unit test result validation, test execution, and defect management in different environments.
- Review of learning, and gap analysis.
- Management of test artefacts
- Analysis and documenting application knowledge, review of learning, and gap analysis.

**Environment: Selenium WebDriver, Test NG, XML, Oracle, Windows, JAVA, Eclipse, Python, Unix**

**Hexaware Technologies, Montreal, QC**

**June 2019 -Dec 2020**

**Senior Software Engineer**

**Responsibilities:**

**1. PSS Project: From June 2019 to till April 2020-**

With the motive of better wholesome experience for customers, Air Canada has updated its reservation backend system. It has been moved to Altea from RES III. We were also part of its migration stage. Here we have contributed to the testing front. It includes end to end testing for all impacted apps of Air Canada, which we have completed on a given deadline during the last quarter of 2019. We are also continuing with the customer manager tool of the same project for Airport rollover till the beginning of this summer 2020.

**Major changes include:**

- Altea Reservation Desk (ARD WEB front end for contact center)
- Customer Management (CM application for front airport customer management tool) Altea Inventory

**My Roles and Responsibilities:**

- I have worked for different team as a test data management person.

*Revenue Accounting:*

- Create Test data for Revenue Accounting and Tax team during PSS cutover.
- In Revenue accounting, I used to Plan, create and provide multi-application processed test data, which helped the Teradata team in their analysis.
- There were three phases in which we processed test data creation, as per planned cutover estimates.
- From understanding the flow of data to its creation in revenue accounting as per the usability of all Air Canada Application.

*Taxation:*

- In tax test data planning, we had combined the scenario with revenue as it resembles with it.
- We had planned around 690 test scenarios for Tax validation, and as per planned estimated we created all test data within 3 months' time duration.
- Managing the ad hoc test data request was the key to achieve the estimated deadline for both Revenue and Tax data request.
- Apart from the test data request, I also used to manage defects encountered by the team, which helped me to understand the depth of all functional flows of revenue and Tax respectively.
- This includes all transactional flows containing different modes of payment.
- This helped in understanding the behavior of complete payment structure of Air Canada from end-to-end visibility.

*Bridging:*

- Apart from these, I have also worked for different test data request from Bridging team.
- Here I got opportunity to understand the flow of data from old RES III system to new Altea system.
- In this test data request, all test scenarios were related to send-to-end flow of different Air Canada applications, which ultimately helped me to understand the bridging concept used by AC.
- After managing test data request, I always used to provide summary of completed test data with respect to requested test data, so that the clarity of achieving timeline remains visible to all.

*PCPs Testing:*

- I have also supported the functional testing during different minor PCPs for ARD WEB because of my previous hands-on test data management of tax and Revenue Accounting, which ultimately helped me in getting more clarity of all functional aspect of ARD Web.
- Due to bulk test data request, I also have learned and used the concept of Smart flows in ARD WEB, which allows us to create PNR in Bulk as per different test scenarios.
- This flow is helpful to provide test data in Bulk in an estimated time.

## **2. Defect management: From May 2020 to July 2020-**

After completing Test data management assignment, I have been moved to defect management. This is a new opportunity in which I am managing and providing estimates on defects.

### **My Roles and Responsibilities:**

- Coordinating defect closure from JIRA to ACSP (Amadeus defect management tool).
- Here I am coordinating those defects which all are reported for Amadeus.
- This helped me to understand the different stages of defect.
- From raising an IR/PTR to providing 1A updates in JIRA and vice versa.
- This also helped me to understand the different team structure and their function in Air Canada.

### **Technologies:**

- I have basic hands-on training on Selenium testing using JAVA language under the TestNG framework. This can help me to automate test scenarios of any Web based applications.
- Recently attended an overview KT on ACATs using the BDD framework, which we are using in our other AC projects.
- This KT includes the usability of the Xray tool of JIRA, which helps us to assemble our automated test suits with different sprints timeline.
- Xray would help us efficiently in using Agile methodology for different test processes.
- Responsible for handling client expectations and communicate the same to the team.

## **3. Loyalty SIT: From August 2020 to till December 2020**

Joined this project in the mid of its closure. Being a part of SIT team, I got opportunity to work on different newly designed AC Loyalty applications like Digital application for customers as well as agents. Having prior knowledge of different Altea applications, I took part in end-to-end system integration testing of all associated applications.

- I worked on applications like LPP and iFLY. I also got opportunity to work on Aeroplan pooling application

### **My Roles and Responsibilities:**

- I was in Flight reward team, where my main work was to create, review and execute test cases of different flight reward features like Priority reward booking and exchange, E-upgrade end to end integration, Companion pass (Paid as well as Free), Booking receipt, etc.
- Coordinate with offshore team for test execution.
- Defect retest and update.
- Attend Defect triage call with development team.
- Testing involve Soap UI and postman tool, where I had to verify the backend integration of loyalty applications.
- Resolve functional doubt of team members.
- Attend business requirement meeting with client.
- Feature test execution review meeting with client.
- Part of Production health check test during project cut over

**Hexaware Technologies, Pune, MH, India.**

**Aug 2015 – May 2019**

**Software Engineer.**

### **Responsibilities:**

## **4. steady State Project: From Aug 2015 to May 2019-**

The main objective of Air Canada is to provide a seamless experience to its customers in different applications like NTP, AC2U, ACB, Flight pass, ECOM WEB, etc. It is currently used by around 48 million passengers in order to make an online booking for flights, car rentals and hotel stays and share flight

plans. It also allows accessing the flight bookings to modify itineraries, perform e-Upgrade and purchase ancillary items.

**My Roles and Responsibilities:**

- To analyze the client requirement, design the test cases with full coverage, write end to end test cases, timely delivery of the planned test cases and execution.
- To support and coordinate testing for complex projects items.
- To support project coordination around the functional knowledge within the team.
- To coordinate the defect UAT calls for the planned releases with clients.
- To report client on daily basis to provide the testing summary defect log summary of each day.
- To support Functional testing, Regression Testing, Sanity testing, Accessibility Testing and Mobile Testing.

**Academic Qualifications:**

- Bachelor's in computer science from BPUT in 2015 – 8.34 CGPA
- Intermediate from Board of Intermediate Education in 2010 – 8.30 CGPA
- Secondary School Education in 2008 – 8.34 CGPA

**Achievements and awards:**

- Won ACE award within 3 years for managing multiple assignments at a time. 2018 – Q4.
- Received appreciation from client, senior managers and colleagues for excellent work

**Personal Profile**

- Gender: Male
- Marital status: Single
- Nationality: Indian
- Years of experience: 5.5 years

**Declaration**

I hereby declare that the above-mentioned information is correct to the best of my knowledge and belief.  
Bibhuti Nath Dheeraj