**Trupti Nahar**

**Canton, Michigan**

**PROFESSIONAL EXPERIENCE**

* 11 Years of experience in IT industry with an emphasis on Quality Assurance / Software Testing field using ETL Testing, Data warehousing Testing and Test Automation tools like **Selenium** **2.0** **WebDriver** using **Java**.

**PROFESSIONAL SUMMARY**

* Experience in designing complex **SQL** queries for databases like Oracle, Teradata, SQL Server.
* Experience in Datawarehousing Testing which includes – **ETL Testing, Database Integration Testing, Cognos Cube Testing, Batch Process Testing**.
* Developed and executed plan for data profiling and BI (Business Intelligence) reports.
* Planned, developed, and tested extensive data integration process (PL/SQL) to resolve the issues with mapping transformations.
* Detailed approach for ETL Testing – transforming the input files such as XML, Excel File into the database using import/export functionality of databases, creating the SQL files which will intact the transformation logic based on requirements and comparing the SQL Result with the Target databases.
* Developed inline view queries, and updated SQL Queries to improve the query performances.
* Designing **complex SQLs, Matching the data set and rectifying the reason for the data issues**, and reporting back to Development team for defect fixes.
* Identifying the data related issues – **Data Loss and making sure the data integrity**.
* Designed **Unix Shell Scripts and command line utility to interact with Informatica server** from command prompt.
* **Scheduled ETL Loads for SIT and/or UT in the testing environment in the Informatica.**
* Performed Functional, Negative, Regression tests on enhancements to the web application. Involved in Smoke, Integration, System, Retesting and Regression Testing.
* Worked as a Customer interaction and QA Lead QA Role by managing the project from start-up until project deliverables.
* Experience in Test Management activities such as Test Planning, System Study, Requirement Gathering, Test Scenario identification, Test Case Design and Execution, Defect Life Cycle.
* Good experience on working with Automation Functional Testing Tool **Selenium 2.0 using Java.**
* Experience in testing with tools such as **Selenium Web Driver**, and cognizant in-house Automation Test framework.
* Extensively used **Selenium WebDriver** **(data-driven, XPath locators**) to test the web application.
* Extensively used **Firebug** and **Fire path** for Firefox browser and **XPath helper** for Chrome browser to retrieve XPaths of the elements.
* Experience with Setting up Selenium tools from scratch and configured various other peripherals tools to performed Selenium test. **Java Setup, Setup Eclipse and Webdriver client**. Configuring Eclipse with Webdriver, Adding **APOI** and **Log4j** jars and installing **TestNG**.
* Good experience with **Core** **Java** to develop tests in **Eclipse IDE** for Automation using **Selenium WebDriver.**
* Experience in developing, maintaining and executing **Automated Test Scripts** Using **selenium**.
* Good experience on working with Test Management Tool **QC 10.0, ALM 11.0, ALM 12.0**.
* Guiding and mentoring the team members and knowledge transition of the system. Participated in Weekly QA status meetings, Scrum meetings and coordinated with the Developers and Business Analyst to resolve and close defects.
* Experience in working with different domains such as Life Sciences, Man log (Manufacturing and Logistics).
* Appreciated by Manlog CG (Customer Goods) Practice award
* Appreciated by Merck Innovation award for IISP project in Year 2010.

**TECHNICAL SKILLS**

**Testing Tools:** Selenium, WebDriver(Java), Load Runner 8.0

**Database Tools :** Informatica, Toad, Teradata

**Languages:** VB Script, Java, C#, C++, PL/SQL, Excel Macro Handling (using VB Script), Oracle9i

**Defect Tracking Tools:** JIRA, QC/ALM, Bugzilla, Rational Clear Quest

**Browsers**: Internet Explorer, Mozilla Firefox, Google Chrome

**Management/Version Control Tools:** SVN, Visual Sourcesafe

**EDUCATIONAL QUALIFICATIONS**

* **Bachelor of Computer Science**, Pune university, India in 2004
* **CSTE** Certified with 81%
* **Master of Computer Science**, Pune university, India in 2010

**PROFESSIONAL EXPERIENCE**

**Merck & Co, Pune, India May 2013 to July 2015**

**Domain :** Life Sciences

**Project Name:** Merck Consumer Care (MCC)

**Role:** Sr. Automation & Manual QA Lead

**Description:**

Business insights through improved automation of reporting and business intelligence for Sales, Marketing, Finance, Market Ops, Customer Service, Supply Chain and Category Management.

**Responsibilities:**

* Responsible for Project Estimates, Allocating and defining the project scope and timelines for QA Activities
* Worked on ETL Testing, Database Integration Testing (Teradata).
* worked on Framework development in **Eclipse IDE** using **Selenium** **WebDriver** and **Java**.
* Developing scripts using Cognizant in-house Automation framework for designing and executing test scripts.
* Extensive use of **Fire Bug, Fire Path, Xpath, CSS Selector, ID, Name** locators are used to identify objects
* Enhancing test cases using Java Programming features.
* Developing, Debugging, and Executing Automation Test scripts for the manual test cases.
* Performing Regression and smoke testing.
* Involved in regression and retesting the application and closing the defects.
* Client Interaction and QA Lead role.
* Guiding/Mentoring the team members and knowledge transition of the application.
* Have faced Project audits for maintaining and improving the project quality and standards.
* Test Management – System Study, Requirement Gathering, Test Scenario identification, Test Case Design and Execution, Defect Management
* Complex SQL Query design, identifying data related defects such as data loss, and making sure the data integrity.
* Involved in Reviews, Team meetings and scrum calls with Oracle development team.
* Conducted UAT Testing for the application.

**Project Core Competencies:** ETL Testing,Database Integration Testing (Teradata), Selenium Webdriver

**Client: Merck & Co, Pune, India Mar 2013 to May 2013**

**Domain:** Life Sciences

**Project Name:** Merck GHH Ops Flex Testing - Align Master Plus (AM+)

**Role:** Sr. Test Lead

**Description:**

Align Master Plus (AM+) is the master source of legacy alignment data. Objective of Align Master Plus (AM+) is integration of files placed by ZS on a server to the new Alignment Master. This integration will provide a publishing layer to the Javelin’s alignment data to downstream applications. It will include a new database and publishing layer creation.

**Responsibilities:**

* Client Interaction and QA Lead role.
* Guiding/Mentoring the team members and knowledge transition of the application.
* Have faced Project audits for maintaining and improving the project quality and standards.
* Test Management – System Study, Requirement Gathering, Test Scenario identification, Test Case Design and Execution, Defect Management
* Complex SQL Query design, identifying data related defects such as data loss, and making sure the data integrity.
* Involved in Reviews, Team meetings and scrum calls, generating status reports.
* Conducted UAT Testing for the application.
* Appeared for Project Audits and work-arounds for maintaining the project standards and quality. Change in plan in order to mitigate the project risks.

**Project Core Competencies:** ETL Testing,Database Integration Testing (Teradata)

**Client: Novo Nordisk, Pune, India Feb 2012 to Feb 2013**

**Domain :** Life Sciences

**Project Name: Mynovotrial.com Investigator Portal**

**Role:** Sr. QA Lead

**Description:**

The mynovotrial.com portal is considered the next step in facilitating communication and collaboration between NN and external clinical staff regarding clinical trial execution. The goal is to implement a system which represents one point of access to GxP critical documents, information, workflows and reporting in relation to clinical trials.

The mynovotrial.com portal will provide a To-do list with a description on outstanding tasks (sign-off document, upload CV/other documents, complete GCP training etc.) enabling site staff and the investigator to focus on the immediate needs for follow-up.

**Responsibilities:**

* Guiding/Mentoring the team members and knowledge transition of the application.
* Involved in Operational Qualification (OQ), Validation Planning and Strategizing the test process.
* Test Management – System Study, Requirement Gathering, Test Scenario identification, Test Case Design and Execution, Defect Management
* OQ Test Case Design, Execution, Defect Management
* Prepare Validation Summary Reports
* Involved in regression and retesting the application and closing the defects.
* Involved in Reviews, Team meetings, generating status reports.

**Project Core Competencies:** Validation Testing - Operational Qualification Test Design, Execution, Defect Management.

**Client Name:** Merck & Co, Pune, India **April 2011 to Jan 2012**

**Project Name: Align Data Management**

**Role:** Sr. QA Lead

**Description**: Align Data Management involves populating Medicaid Data into Align Managed Market WareHouse (MMW). The Managed Market WareHouse (MMW) is a database environment / application designed to 1) integrate data from multiple sources (Model N, Legacy Applications) and 2) Publish harmonized data for further Align consumption. The primary consumers of this data are Align Reporting and Analytics capabilities and Legacy Government Pricing Applications.

**Responsibilities:**

* Performed smoke test after every build deployment and reported the defects at early project stage.
* Identify Test Scenarios, and Test approach based on the Align Data Consumption.
* Prepare Estimates, defining project scope, and timelines for testing activities.
* Test Management – System Study, Requirement Gathering, Test Scenario identification, Test Case Design and Execution, Defect Management
* Complex SQL Query design, identifying data related defects such as data loss, and making sure the data integrity.
* Involved in Reviews, Team meetings and scrum calls, generating status reports.
* Conducted UAT Testing for the application.

**Project Core Competencies:** ETL and DBDW Testing (Oracle 9i)

**Client Name:** Merck & Co, Pune, India **Nov 2010 to Mar 2011**

**Project Name: Merck Vaccines**

**Role:** Sr. QA Lead

**Description:**

The MerckVaccines.com Redesign is an initiative to ensure that MerckVaccines.com is the destination of choice for information about and ordering of Merck Vaccines as well as related service offerings for Health Care Providers in the U.S.  It involves a major design reskin of the entire web site, as well as moving the site to the SharePoint Content Management System for increased ease and speed of content updates.

MerckVaccines.com is an on-line customer portal that serves as a source for information about infectious diseases and Merck’s vaccines/products, as well as a marketplace for ordering Merck’s vaccines/products and complimentary patient education materials.

**Responsibilities:**

* Prepare Estimates, defining project scope, and timelines for testing activities.
* Test Management – System Study, Requirement Gathering, Test Scenario identification, Test Case Design, SQL Design and Execution, Defect Management
* Involved in Reviews, Team meetings and scrum calls, generating status reports.
* Complex SQL Query design, identifying data related defects such as data loss, and making sure the data integrity.

**Project Core Competencies:** DBDW Testing (Oracle 9i)

**Client Name:** Merck & Co, Pune, India **Reel** **2**: **Aug 2010 to Oct 2010 Rel 1: May 2008 to Mar 2010**

**Project Name: Investigator Initiated Studies Program (IISP)**

**Role:** Sr. QA Lead

**Description:**

Investigator Initiated Studies Program (IISP), is an interim solution to serve as a worldwide IISP web-based application accessible Merck-HQ, Merck Subsidiaries, and the US Scientific Community. The Investigator Initiated Studies Program provides grants and/or study drug to investigators to conduct Investigator-initiated original research. IISP allows academic/community-based physicians and researchers to play a key role in expanding clinical and scientific knowledge and understanding of appropriate use of Merck products.

The Investigator Initiated Studies Program includes immediately required combined user interface functionality and data migration of non-us study data from WHHM database to the USHH database in order to accommodate both Non-US, as well as US-IISP studies. Also it includes Expansion of the reports for measuring performance metrics.

**Responsibilities:**

* Designing complex SQL Queries, identifying the complex data scenarios and rectify the problems such as data loss, data integrity and/or duplicate data in the target database.
* Exporting the data from the difference sources such as XML, Excel, Flat files into the source database and then comparing it with the staging tables and in the target databases.
* Peer review the test cases, SQLs, and test results.
* Involved in Reviews, Team meetings, attending relevant Training Programs, status reports.

**Project Core Competencies:** Database Testing (SQL Server), Functional Testing, Excel Macro Handling, VB Scripting for database testing.

**Client: Merck & Co, Pune India Mar 2010 to Jul 2010**

**Domain:** GCM 55 Sweden Address

**Role:** Test Engineer

**Description:**

MDM is central database system to communicate with the different sources and interfaces. This project mainly concentrates on one of the major source Siebel CRM. It is data transformation from MDM system to the CRM database. System testing for data migration is performed.

**Responsibilities:**

* Understanding MDM and Siebel CRM systems.
* Analyzed System requirements specifications (SRS) and High Level Design documents to understand the functionality of the application.
* Involvement in preparation of Test scenarios, Test cases design and execution.
* Prepare Test Reports, design SQL Queries and report the data related defects.

**Project Core Competencies:** Database Testing (Oracle 9i)

**Client: Merck & Co, Pennsylvania United States (L1 Visa) May 2007 to Mar 2008**

**Domain:** ELN (Electronic Laboratory Notebook)

**Role:** Test Engineer

**Description:**

ELN is a software application used by MRL scientists as an electronic alternative for maintaining laboratory notebook experiment data. User can create a specific notebook based on access rights and can create different types of experiments based on business unit they belong to.

**Responsibilities:**

* Understanding ELN workflows for different types of experiments.
* Validation Testing activities such as OQ, IQ, & PQ
* Involvement in preparation of Test scenarios, Test cases design and execution.
* Prepare Test Reports , QA metrics preparations.

**Project Core Competencies:** Validation Testing (IQ, OQ, PQ)

**Client: Merck & Co, Pune India Jun 2006 to May 2007**

**Domain:** CDR (Clinical Data Repository)

**Role:** Test Engineer

**Description:**

The CDR project is a key component of the Merck Collaborative Clinical Development Technology Platform (MC2) initiative within Clinical and Regulatory Information Services (CRIS).  The high level goals of the strategy are to improve productivity and reduce cycle time for all stages of clinical trials through improved processes and a move towards industry standards.

The CDR will support near-real time data loading and processing and will move away from the nightly ‘batch’ mode of processing and will support cross drug program reporting.

**Client: Merck & Co, Pune India Feb 2006 to Jun 2006**

**Domain:** SLD TNG E-Business Dev, SLD TNG Next Addendum

**Role:** Test Engineer

**Responsibilities:**

* **Unix Testing – Batch Process Testing (Backend processing)**
* **Integration Testing – SAP Implementation in client domain – Publishing documents which brings Customer, Employee, Material master data feed into SLD TNG**
* Identify critical business flows for Load Testing.
* Identifying Scenarios for LR Script, Recording LR Scripts.
* Enhancement of LR Scripts – Parameterization, and Correlation.

**Project Core Competencies:** Unix Testing (Batch Process Testing), SAP Implementation Integration Testing, Load Testing

**Client: Coors Brewing Company, Pune India Dec 2005 to Feb 2006**

**Domain:** CRC Application System Testing

**Role:** Test Engineer

**Description:**

The CRC Application System Testing was Test Only project. CRC was an application developed for the Sales and Marketing Department of Coors. It is a Point of Sale app. for the beer distributors. It is a central place of managing their POS orders and the budgets allocated to them. The application is also used by the Field Marketing personnel to track the distributor spend on the promotional items. The CRC Application System Testing provides online catalog and ordering facilities for the end user. Other user groups will be able to provide support in terms of catalog updates, order tracking.

**Responsibilities:**

* System Study, Business Scenario analysis, Test Case Design

**Client: Coors Brewing Company, Pune India Dec 2004 to Nov 2005**

**Domain:** Reverse Logistics

**Role:** Test Engineer

**Description:**

The Reverse Logistics tool enables Coors distributors to return dunnage materials and return products to Coors. After the shipment is received at CBC location, received quantities are entered into SAP, which SAP then sends to RL tool.  The distributor can review the shipment for any discrepancy that may exist, and file for a claim. The claim request is then sent to the Billing department.

The tool also provides an RLC module using which the Coors Reverse Logistics Coordinator can perform various maintenance tasks. The tool also provides reporting functionality for both RLC and the distributors.

**Responsibilities:**

* System Study, Business Scenario analysis, Test Case Design