**Sony, San Jose, CA (January 2009 – Present)**

**Lead QA Engineer**

In order to provide its users with an online store experience, Sony launched its online book library for US and Canada markets. The online library provides the Sony Reader users a platform to search, browse, purchase, download and transfer book titles and leading newspapers to Sony Readers. I was involved in testing the data model and outputs - RICEFs (Reports, Interfaces, Conversions, Extracts, and Forms) in Enterprise Data Warehouse (EDW) as a part of the project. The data is transformed and uploaded from Legacy/SAP-Teradata-SAP via Informatica processes. Users can access available titles after setting up an account and downloading Sony’s free eBook Library software.

**Responsibilities:**

* Analyzed the business requirements and developed the Detail Test Plan and the Test Strategy.
* Prepare Performance Test Strategies and Performance test plan
* Inserted Transaction and Rendezvous points to calculate transaction response time
* Wrote Test Cases and Test Scripts for different components of the web application
* Designing, reviewing and Executing the Test cases and Scenarios.
* Experience testing in a **Unix environment**
* Ability to document and track defects, as well as produce detailed reports using **defect tracking** tools
* **Parameterized** the scripts to avoid code redundancy and avoid hard coding of frequently changing values using QTP.
* Executed queries and analyzed data using **Toad, Teradata SQL Assistant**. Viewed data model using **Erwin**.
* Provided technical leadership in managing onshore and offshore project teams consisting of business analysts, architects, developers, testers and database developers.
* Thorough understanding in implementation of **Agile Scrum** methodology
* Work closely with Business Analyst and conduct weekly status meetings walkthroughs
* Reviewed Technical specifications, design documents and Field Mapping documents for each **RICEF, Data Profiling, Reviewed Metadata**, Verified source-to-target mappings between data sources and target data stores
* Responsible for defining the Test plan, analyzing the Test scenarios
* Designing Test Cases, executing Test Cases and Defect Logging
* Involved in manual testing of both Web Based Applications and Back End Testing
* Used SQL for data integrity testing, captured the SQL statements from the application execution and manually checked the results
* Performed White Box and Black Box Testing (Unit and Integration Testing)
* Reported the defects in the Quality Center automated tool and coordinated with the QA Lead and developers
* Tested **UNIX scripts** to automate the backup Procedures Proficient in trouble-shooting (handling database corruption, transaction log problems, query performance problem)
* Conducted **Cross Browser Testing** of application and reported Bugs
* Developed **User-Acceptance Test cases** and assisted users in conducting UAT
* Extensively worked with **Load Runner**, to generate multiple requests and executed them to identify the server responses under load based on various real time scenarios
* Recorded **V-user** Scripts using V-user Generator (**Vu-Gen**), inserted transaction points to calculate the **transaction response times** and employed **Rendezvous Points** to simulate real world scenario
* Created **Traceability Matrix** in Excel
* Comply **change management** requirements and manage the change request/modification request in **Quality Center**

**Environment:**

Windows XP, MS Office Suite, MS Project, Quality Center 9.0, Toad, Teradata, Load Runner 8.1, Quick Test Pro 10.0, Oracle 9i, Informatica Perl, UNIX Shell Scripts

**Address?**

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| |  | | --- | | 1730 North 1st Street San Jose, CA 9511 | |

Tram: [Metro Airport Station (1)](http://maps.google.com/maps?um=1&ie=UTF-8&q=sony+office+san+jose,+ca&fb=1&gl=us&hq=sony+office&hnear=0x808fcae48af93ff5:0xb99d8c0aca9f717b,San+Jose,+CA&iwloc=lyrftr:transit,0x808fcb92ec15cc7d:0x48530a0c4bae032&ei=ir8dTtufII62sAPt9uWYBA&sa=X&oi=local_result&ct=transit-link&resnum=1&ved=0CB0QsQUwAA)

Sony has launched an e-reader software (like iTunes). I can download it! I can browse books online, give reviews of books, download books, read reviews of books!

What were you doing? I was the QA engineer!

Data warehouse has information about customers, addresses, credit cards! It also has books inventory! I was involved in a project to take the transactional data from the OLTP database (Oracle 9i) and store in an OLAP database (mySQL).



As a QA Engineer, I wrote SQL scripts to figure out how many customers we have in the OLTP database! Then, after the ETL has happened, I would write a SQL query on the OLAP database to make sure that all the customers have been accounted for in the OLAP database! So, e.g., I will write a SQL query in OLTP database to group the customers by state and count them in the OLTP database. Then, I will do my query on OLAP database, obviously hoping that the numbers match!

This is what QA engineers have to do! Test the integrity of the transformed/loaded data!

It is about putting checks and balances in place to see that we are not missing out on important information! Because it would be horrendous if the OLAP database did not accurately reflect the real business scenario and then based on OLAP reports, management was making wrong decisions!