Curriculum Vitea

Sonali Ambulkar

Software Test Engineer (Data science)- Altran (Aricent),Pune

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Currently working as a Data science test engineer for Mediation Analytics system with client Numericable-SFR (France)

Technical Headlines :

Manual Testing * Python * Unix * EDI File Process *DWH/ETL-Data warehousing* SSIS Package *Database Testing * SQL * Soap UI * HPALM *system Integration * Waterfall model * Agile *Data Volume Peformance test * Role based access Security Test

Etl Tool – Microsoft SQL Server SSIS | Scripting Language – Python |Agile process management : Jira | Defect management tool –HPALM |

System Module : Rating charging | Mediation | Fiber Optics | Payment gateway | Statistical Analysis –ETL |

Domain expertise : Telecom BSS | Inventory Management | Global Payment Gateway

OBJECTIVE:

With the main objective being towards satisfaction, both for myself and the company, I strive to work towards the high standards of loyalty and dedication which has been consistent throughout, thereby making work a pleasure.

EXPERIENCE SUMMARY:

➢ Etl task :
- Understands data models and excels at transformations
- Evaluated all requirements of business, systems according to needs
- Analyze the Business Requirements and Mapping sheet
- Strong identification of existing data defects and errors
- Solid experience of source to target data mapping
- Perform backend data validation/testing on target table in terms of **Count , Duplicate , Null value , Count , mandatory , Data types , Length ,Constraint**
- Clear Understanding Of various DWH concepts like **OLAP, OLTP, Fact and Dimension Table, Snowflake and Star schema.**
- Implemented **Star schema architecture** for mediation Analytics
- Business data check, Record count check for active and passing transformation logic applied, Derived Field from the source data is proper, Check Data flow from stage to intermediate table, Surrogate key generation check if.

➢ Database + EDI File processing + Web service + Functional Task :-
- Strong knowledge of Software Development Life Cycle (SDLC - Feasibility Requirements Analysis, Design, Testing, Implementation, Support).
- As a Test Analyst – Worked on various industry verticals – Telecommunications and Payments
- Expert knowledge in creating **Agile Test Plans, Test Cases**, **Test Scenarios**, Defect Management to ensure Quality Assurance and to test all the business requirements.
- Very good experience in **integration test** by implementing STUB.

- Experience in preparing test reports from **HP ALM** prepared daily test status reports to communicate the test status with the team.
- Actively involved in System Integration Testing (SIT) and Training of the end users.
- Process the EDI file and manipulate data in server w.r.t Business logic.
- Map request XML and Response XML – XML Parsing.
- Excellent Knowledge of Database Systems – Oracle 9I, SQL server and Data ware house concepts.
- Extensive experience in developing **SQL** scripts to validate the databases tables and reports data for back end database testing.
- Proficient in troubleshooting database issues and experienced in using performance monitor/profiler to solve dead locks/ long running queries.
- Experience in RDBMS, Associated **SQL Programming** Knowledge.
- Excellent Knowledge in MS-Office (Word, Excel, PowerPoint), MS-Access.
- A very good team player with excellent Communication (Verbal and Technical), Presentation and reporting skill.

TECHNICAL SKILLS:

Operating Systems	:	Windows 95/98/2000/NT/XP, UNIX, Linux
Languages	:	C, C++, Python, SQL
Testing Tools	:	SOAP UI, Putty
Bug Reporting	:	HPALM
Databases	:	Oracle 10g, SQL Server 2008
ETL Tools	:	SSIS
Database Tools	:	SQL Developer
Web service protocol	:	XML
Scripting Language	:	Python

Achievement:

- Received with **award** from **Numericable**-SFR (France), France for **outstanding performance**.
- Received award from Altran for successful delivery of Payment Project

EDUCATIONAL QUALIFICATION:

M.E – Embedded System &VLSI– Pune University	7.12 CGPA
B.E – Electronics & Telecommunication engg – Amravati University	67 %

PROFESSIONAL EXPERIENCE SUMMARY:

Currently working as a **software testing Engineer (Data science) With** Altran (Previously Aricent) (https:// www.altran.com) **,Pune** since Nov 2016 to till date.

Project Sequence 1:

Title	: CDR Analytics
System	: Telecom Billing- BSS Mediation ,Analytics-DWH
Client	: Numericable-SFR (France) , France
Major Technology	: Database testing , Etl / Testing , EDI File processing ,Stub , Job Run ,Unix

Project Detail Description:

Data is loaded into Oracle Communications Data Model, either from Oracle Communications Billing and Revenue Management source system leveraging BRM Adapter, or from other billing applications using a custom ETL, The Intra-ETL populates Oracle Communications Data Model analytic layer which has the same tables used by the Billing Analytics application, Oracle Business Intelligence Enterprise Edition dashboards display Billing Analytics metrics . Billing and billing analytics become operators' strategic advantages . CSPs will be looking to their billing operations as a way to improve customer loyalty and even attract new business. The data in billing systems contains a wealth of information about the service usage habits of customers. A deep analysis of this data can enable a CSP to accurately adjust service delivery not only with the correct pricing, but also important aspects such as accessibility and timing of usage.

Operation and Responsibilities :

As this is a agile project,

- Read the stories and analyse it.
- Prepared test case from stories
- Used Jira agile project management tool to keep stories.
- Execute test case and Resistered defect.
- Send daily status Report to test lead.
- Joined scrum meeting and Keep up-to-date on the overview of the development technology, the popular testing tools (e.g. automated testing tools soap UI and test management systems) and the overview of the business domain

Project Sequence 2:

Project Name : Unified Payment system

Client   : Numericable-SFR (France), France

System   : Payment, Telecom BSS

Major Technology: Database testing, Etl / Testing, EDI File processing, Stub, Job Run, UNIX

Project Detail Description   :

Numericable-SFR Payment Gateways are software and servers that transmit Transaction information to Acquiring Banks and responses from Issuing Banks (such as whether a transaction is approved or declined). Essentially, this solution facilitate communication within banks. Security is an integral component of all payment gateways, as sensitive data such as Credit Card Numbers need to be protected from any fraudulent parties.

Operation and Responsibilities   **:**

- Go through the software requirements CRS doc.
- Understand the master test plan and/ or the project plan
- Generate test cases based on the requirements and other documents
- Execute Test case to validate functionality
- Test software releases by executing assigned tests (manual)
- Report defects (usually in a defect database) to the stakeholders
- Create test logs
- Reply to returned bug reports (for example, when a bug report is returned as not reproducible)
- Re-test resolved defects
- Update test cases based on the discovered defects
- Provide inputs to the team in order to improve the test process
- Log own time in the project management software or time tracking system
- Report work progress and any problems faced to the Test Lead or Project Manager as required
- (If applicable) Support the team with testing tasks as required

<u>Project Sequence 3:</u>

Project Name : Rating and Charging

Client: Numericable-SFR (France) , France

Major Technology: Database testing, Etl / Testing, EDI File processing, Stub, Job Run, UNIX, **SIEBEL** CRM

Project Detail Description :

Cloud Computing businesses are highly dynamic that involve complex and multi-level transactions. Some applications have simplistic scenarios of a one-time sale, while others have usage based charges and others are recurring in nature. This strategy and process poses risks of over-pricing a segment of customers and underpricing others. It is important to align physical usage with billing in order to prevent excessive usage. This Billing module is highly flexible to address various business models of service providers to achieve revenue acceleration, revenue assurance and improved operational efficiency.NBN billing module for Cloud handles Pricing, Metering, and Rating, Charging, Taxation and Discount management.

Functional Points: - Billing Cycles | Rating | Discounts and Commissions | Taxation

Operation and Responsibilities :

- Analyze Customer Requirements and Create test conditions.
- Creating Test case based on the Business Requirements Specification documents in HP ALM.
- Interact with various Business Analysts and Developers to design better test plan.
- Executing Test Cases in HPALM and Resister defects.
- Recommend some enhancement features to the system.
- Helping the Business team in carrying out the User Acceptance Testing.

PERSONAL DETAILS:

Gender	:	Female
Languages Known	:	English, Hindi, and Marathi.
Date of Birth	:	19 May 1988
Marital status	:	Married

Place: - Pune

Date:-

(Sonali Ambulkar)