 

**Swapnil Gawate**

**QA-(Software Test Enginer)** ,**NTT Global Network (https://services.global.ntt/),Mumbai**

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**CONTACT**

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**Address**

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**EDUCATION**

* B.E - Civil Engineering
* Rashtrasant Tukadoji Maharaj Nagpur University - Maharashtra

**PERSONAL DETAILS**

* Father name : Shirishkumar Gawate
* Mother's Name: Mamata Gawate
* DOB- 16 Nov 1993
* Address - C/o - Plot no 23, Patil Layout 3rd Bus Stop Gopal Nagar,Dist : Nagpur, Maharashtra
* Gender :Male

**HOBBIES**

* READING
* RESEARCHING NEW

**CAREER OBJECTIVE**

To employ myself in a progressive organization that provides scope to update my practical knowledge and skills in accordance with the latest trends and be part of the team that dynamically works towards growth of the organization.

Looking for a software test engineer Job where I can utilize my SQL skills to validate **Big Data / Cloud ETL / Data warehousing –DWH/ETL components/System**. To achieve a challenging position in Software Testing in a result-oriented company, where acquired skills and education will be utilized towards continuous growth and advancement.

**EXPERIENCE**

**Core Technologies:**

**Snowflake| Big Data | Database Testing | ETL Testing | BI Testing | Unix | REST Web service Testing | Agile | EDI File Processing |**

**Vertical/System InvolvementArea :**

**Telecom OSS/BSS | Payment |SiebelCRM | Supply Chain Analytics | Data Migration |**

**Client :**

**GO Telecom (Etihad Atheeb) , Saudi Arabia| Bright house networks|National Australian Bank (NAB), Australia |**

**Domain/System/ module Worked/Working with :**

Siebel CRM \*Telecom BSS/OSS \* Global Payment Gateway \* Telecom OSS –Inventory Management (Provisioning & Activation ) \* Rating Charging \* Mediation \*AIS Project (Banking)

**Core Area Involvement :**

 Agility | Database Testing | File Processing | ETL Testing | web service testing |System Integration – Functional |

**Process worked With:** | Agile | V model | Waterfall

ETL Tools used : SSIS Package , Ab initio , Express IT**|** Defect Management tool : JIRA,HPALM , MTM **|**Process : Agile + Waterfall Model **|** BI Tools used : Metric Insights BI

**Technical Qualification Headlines**

 Manual Testing \* \*EDI File Process \* Business Intelligence- \* MS Power BI \*DWH/ETL-Data warehousing\* SSIS Package \*Database Testing \* Unix \* SQL \* HPALM \* MTM \* Waterfall model \* Agile \* JIRA \* SaaS Cloud \* RESTful Web service \* JSON \*

**Certification of PMI ACP for Scrum Agile Methodology**

**EXPERIENCE SUMMARY:**

* **3+** Years of experience in Software Testing and Quality Assurance including Database Testing ,SAS Data Management , Data warehousing –DWH-ETL tesing, RESTWeb service testing
* Strong experience with Mediation, SiebelCRM, Telecom BSS/OSS, Payment, Data analytics [DWH+BI]System/Domain.
* Analyze **ETL** Requirements and Mapping sheet with BA
* Well versed in Hadoop ecosystem - Map Reduce, Pig, Hive, HBase, Oozie and Sqoop.
* Experience in installing, configuring, debugging and troubleshooting Hadoop clusters.
* Experience in Data Analysis, Data Validation, Data Cleansing, Data Verification and identifying data mismatch.
* Experience in importing and exporting data from relational database into Hadoop cluster using sqoop.
* Experienced in creating Hive, Pig and custom map reduce programs for analyzing data.
* Experience in validating and analyzing Hadoop log files.
* Experience in loading multiple larger datasets into HDFS and processing the datasets by using the Hive and Pig.
* Experience in validating tables with Partitions, bucketing and Loading data into HIVE tables.
* Experience in validating map-reduce jobs to support distributed processing using java, hive and pig.
* Experience writing Hive Queries for analyzing data in Hive warehouse using Hive Query Language (HQL).
* Experience in Map Reduce programming model for analyzing the data stored in HDFS.
* Experience in validation of Map Reduce codes as per business requirements.
* Experience in validating connectivity products that allow efficient exchange of data between core database engine and Hadoop ecosystem
* Map Source and target data In term of Duplicate , Count , Nullable ,String length ,datatypes ,constraint , length
* Involved in the analysis of source systems, gathering business requirements and identification of business rules.
* Prepared and ran sql queries to verify Dimensional and Fact tab les, Verifying the data in target database by ETL process, Transformation logic is applied before loading the data.
* Data flow validation from the staging area to the intermediate tables**,** Surrogate key check.
* Knowledge of all Data warehousing /DWH concepts, Good understanding of OLAP , OLTP, Star schema, snowflake schema
* Understand and analyse SRS to ensure it meets the Customer requirement**,** Responsible for Test Case Writing, Execution, Bug Tracking and Reporting.
* Actively involved in Review of test Case, Performed Functional, Integration and Retesting, Regression, Sanity, and Database testing.
* Enough exposure to all stages of **SDLC,** Mapped the business requirements with test case by preparing **Traceability matrix.** Strong knowledge over whole Software Test Life Cycle (**STLC**).
* Work closely with other testers and developers with bug fixes and **Defect Analysis** Using defect management tool such as **JIRA,HP ALM** & **MTM**
* Used **Postman** tool and **Json** as protocol for REST- Web service testing, Worked on Software quality assurance Process **AGILE methodology** , V Model .
* Wrote **SQL queries**to access the data from the **database** tables to ensure data integrity.
* Strong Knowledge about **UNIX** Commands to validate server data,A result-oriented team player and skillful in coordinating with development team and problem solving abilities.
* Capable of working under time constraints in a target-oriented environment.
* Self-motivated, Pro- Active and Quick learner of new concepts and technologies.

**TECHNICAL SKILLS:**

* Operating Systems Windows 10,11 , UNIX, Linux
* Languages SQL, PL/SQL,
* Testing Tools REST ,PuTTy
* Bug Reporting: JIRA,HPALM ,MTM
* Databases : Oracle 9i/10g/11g, SQL Server 2005/2008
* ETL/BI Tools: SSIS Package , Metric Insights BI , Ab initio,Tableau.
* Database Tools: SQL Developer
* Web service tools/Technology REST , JSON , POSTMAN

**Working Zone – Organization :**

Currently working as **QA-(Software Test Enginer)** ,**NTT Global Network (**[**https://services.global.ntt/**](https://services.global.ntt/)**), Mumbai**

Since November 2019 to till date.

**Awards:**

* Received Performance award from NTT Global for good performances.
* Received appreciation for E2E BSS Delivery from Client **Bright house networks, USA**

**PROJECTS;**

Project Sequence 1

Project Name: Fiber Planning for 5G Network **–** [ RAN overhaul ]

Vertical : Telecom OSS –Provisioning & Activation [Inventory Management ]

Client : GO Telecom (Etihad Atheeb) ,Saudi Arabia

Technology & Tool : System integration , Database testing, Rest web service , stub Implementation , Unix

Application Tier : Multi-Tier

**Detail Project Overview and Workflow :**

5G needs a RAN overhaul, pumped up with more fiber. Cost-efficient network planning is then required if the business case is not to be derailed. 5G network operators need to pay close attention to fiber. If the next-gen tech is to deliver on its promise of greater capacity, faster speeds and lower latency, more fiber-optic cable is needed in the radio access network (RAN). There’s no other way to handle increased data volumes and provide a future-proof solution. According to some estimates, internet traffic is growing tenfold every five years. fiber planning will play a key role in migration to centralized RAN (C-RAN) architectures and Cloud RAN. In both instances, getting the front haul part right – the link between the Baseband Unit (BBU), which processes user and control data, and Remote Radio Heads (RRHs), the antennas – is crucial. Fiber to the home (FTTH), also called "fiber to the premises" (FTTP), is the installation and use of optical fiber from a central point directly to individual buildings such as residences, apartment buildings and businesses to provide unprecedented high-speed Internet access. FTTH dramatically increases the connection speeds available to computer users compared with technologies now used in most places. While FTTH promises connection speeds of up to 100 megabits per second (Mbps) -- 20 to 100 times as fast as a typical cable modem or DSL (Digital Subscriber Line) connection -- implementing FTTH on a large scale will be costly because it will require installation of new cable sets over the "last links" from existing optical fiber cables to individual users. Some communities currently enjoy "fiber to the curb" (FTTC) service, which refers to the installation and use of optical fiber cable to the curbs near homes or businesses, with a "copper" medium carrying the signals between the curb and the end users. While fiber optic cables can carry data at high speeds over long distances, copper cables used in traditional telephone lines and ADSL cannot. For example, the common form of Gigabit Ethernet (1Gbit/s) runs over relatively economical category 5e, category 6 or augmented category 6 unshielded twisted-pair copper cabling but only to 100 m (330 ft). However, 1 Gbit/s Ethernet over fiber can easily reach tens of kilometers. Therefore, FTTP has been selected by every major communications provider in the world to carry data over long 1 Gbit/s symmetrical connections directly to consumer homes. FTTP configurations that bring fiber directly into the building can offer the highest speeds since the remaining segments can use standard Ethernet or coaxial cable.

**Roles and Responsibilities**

* Understand the FRS document and analyse the requirement.
* Analyse 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 and strategies based on the requirements of the business.
* Prepare Traceability matrix to map customer requirement vs test scenario, Involved in test case review with client as Walkthrough
* Prepare Test report and share with client, Performed Sanity test , system integration test , Regression test
* Executing Test Cases in hpalm and Resister defects.
* Prepare documentations like Testing Progress, Test coverage and providing status to Project Manager.
* Recommend some enhancement features to the system.
* Helping the Business team in carrying out the System integration Testing.
* Prepare the test case from use case
* Execute the test case to validate customer requirement
* Involved in review test case and send review comments to colleagues.
* Prepared mapping sheet of SRS and test case
* Sending the Regular status to the higher authorities in a timely manner.
* Participate in scrum meeting to discuss about project progress report every day.
* Resister the defect using defect management tool such as JIRA.

**Project Sequence 2**

 Project Name : Revenue Management

 Vertical : Telecom BSS, Siebel CRM

 Client : Bright house networks, USA

 Technology & Tool : Data warehousing /Etl , SSIS Package

**Detail Project Overview and Workflow :**

Bright house networks Rating & Charging is a cloud native module of Bright house networks, designed to help operators implement real-time online charging (OCS) functionality and batch rating

Rating is the fixed tariffs that are set on voice and data products , whilst Charging will be a the application of the tariffs albeit some flexibility in its applications where you can waive certain charges at different times. Rating is the assignment of traffic (voice, data, sms) to a tariff and giving it a price. Charging is the application of that price to a customer tariff

Rating Engine receives the events in the form of data records called as Call Detail Records (CDRs) or Usage Detail Records (UDRs), which describe the use of a product/service. A CDR is a string of data that contains call information such as call date and time, call length, calling party, called party, etc., which are used to rate the events. Ex- Duplicate Events, Rejected Events, Partial Events, Rerating Events. Ericsson Charging & Billing in One is a market-leading system for real-time converged charging, billing and customer care. The features are Service Choice and Flexibility, Service Agility, Converged Billing and Customer Care, Real-time Charging and Policy.

**Roles and Responsibilities**

* Reviewed Business Requirements, Functional Specifications, and Detailed Design documents (including UML).
* Updated test plans, created test cases and test scenarios for assigned functional areas (including Transact SQL queries for data validation).
* Analyse mapping sheet and verify source and target system
* Use complex queries to check output to ensure it meets the business logic
* Executed test cases to ensure functionality meets the customer requirement
* Logged and regressed bugs using HPALM
* Maintained 12 servers used by the test team (including setup, configuration and change management).
* Performed setup and BVT testing with each build

**Project Sequence 3**

Project Name : E2E Billing – BSS integration with SaaS cloud With LTE Networks -VolTE

Vertical : Telecom BSS, Siebel CRM

 Client : Bright house networks,USA

Technology & Tool : Data warehousing /Etl , EDI File Processing , SSIS Package , Database testing , Unix , Job Run

**Detail Project Overview and Workflow :**

 Transmitting voice over LTE (VoLTE) with acceptable quality requires the right mechanisms and architectures in both the radio and the core network. This affects LTE networks as well as conventional 2G and 3G networks since LTE services will need to coexist with legacy networks until LTE coverage is ubiquitous. Another consideration is the mobility of voice subscribers, because a voice call that is initiated within LTE coverage must not be dropped when the subscriber moves out of LTE coverage into an existing 2G or 3G network.

Siebel CRM and Billing System Integration Solution for Bright house networks increases customer satisfaction, delivers value-added services to customers, and improves multi-channel capabilities and effectiveness of marketing solutions in less time. Together, these combine to give customers a substantial competitive advantage over other players in the market.These systems are typically the systems which enable the operator to define the billing parameters, rate plans & associated logic, customer schemes, etc. The focus of the BSS is towards managing the business aspects associated with the telecommunications network. Software applications that support customer-facing activities. Billing, order management, customer relationship management, call center automation, are all BSS applications.

BSS may also encompass the customer-facing veneer of OSS application such as trouble-ticketing and service assurance – these are back-office activities but initiated directly by contact with the customer.

**Task Handled**

* Reviewed and Analyze Business Requirements, Functional Specifications, and Detailed Design documents (including UML).
* Updated test plans, created test cases and test scenarios for assigned functional areas (including Transact SQL queries for data validation).
* Analyzed and identified the Test Cases based on requirement document of the application.
* Verify data is mapped correctly from source to target system
* Verify all tables and their fields are copied from source to target
* Verify keys configured to be auto-generated are created properly in target system
* Verify that null fields are not populated
* Verify data is neither garbled nor truncated ,Verify data type and format in target system is as expected
* Verify there is no duplicity of data in the target system ,Verify transformations are applied correctly
* Verify that the precision of data in numeric fields is accurate
* Verify exception handling is robust, Reconciliation check- record count between the STG (staging) tables and target tables are same after applying filter rules
* Insert a record which is not loaded into target table for given key combination
* Copy records, sending same records that are already loaded into target tables-should not be loaded
* Update a record for a key when value columns changed on day\_02 loads ,Delete the records logically in the target tables
* Values loaded by process tables ,Values loaded by reference tables, Check if the target and source data base are connected well and there are no access issues.
* For a full load, check the truncate option and ensure its working fine, While loading the data, check for the performance of the session ,Check for non-fatal errors.
* Verify you can fail the calling parent task if the child task fails, Reviewing and modifying the Test Cases.
* Execute the test case in build and validate the impact.
* Performing Smoke, Functional, Compatibility and User Interface testing.
* Regression testing was performed after each new build of the application..

 Executed test cases to ensure functionality meets the customer requirement

* Logged and regressed bugs using HPALM , Performed setup and BVT testing with each build
* Maintained 12 servers used by the test team (including setup, configuration and change management).

**Project Sequence 4**

Project Name : Mediation and Advance analytics

 Vertical /System : Telecom BSS , Siebel CRM , Tibco

 Client : Bright house networks, USA

Technology & Tool : Data warehousing /Etl , EDI File Processing , SSIS Package , Database testing , Unix , Job Run

**Detail Project Overview and Workflow :**

 4G is the next generation mobile technology It will enable a host of rich multimedia services such as video calling, video on demand, and provide a richer experience for existing services such as mobile internet, mobile TV and MMS.5G networks operate on technology called High Speed Downlink Packet

Access (HSPA). Data is transmitted many times faster than earlier 2G/3G networks. This basically means that in addition to the earlier audio, graphics, and text, you can now send and receive video content too. Monitoring and measuring critical VoIP call quality components is relatively easy if you have the right CDR analysis using DWH.

Mediation is the process of collecting and processing usage data from networked devices, usually for billing purposes. Quality VoIP calls require an IP network that can deliver voice packets within the minimum requirements around jitter, packet loss, and latency. This solution allows user to report on CDRs to identify low performance VoIP metrics, find other calls affected, and identify potential patterns on Cisco VoIP networks. In-depth VoIP call metrics in this solution allows user to view call path details, call signaling, and find the root cause of the issue.

At Mediation there are following tasks performed.

Collecting and validating CDR from network elements (Switches / MSC’s), Filtration (non billing CDR’S)

Correlation of different input sources CDR’s, Aggregation of partial CDRs related to the same call,

CDR normalization., Transformation of data as per business logic, Downstream Format mapping ,header and trailer generation, Downstream Distribution.

Whenever a Subscriber / Customer uses communication services (Voice, Call,SMS ,Data transfer etc ) from a Service Provider, Usage Data are generated at the network element. The usage data is called as Call Detail Record (CDR) in the traditional voice network environment or Internet Protocol Detail Record (IPDR) in the data network environment. Some of the Service Usage Data sources in the network are:

GSM telephony Network Elements

GSM telephony, Voice calls – MSC, SMS traffic – SMSC, Data traffic – GGSN, MMS traffic – MMSC

Roaming CDRs from business partners, Interconnect CDRs from partners

The CDRs are normally pushed to or pulled from the switches. The switch generates a CDR file. These file contains header or trailer records containing the number of CDRs in a particular file. The files are generated as they reach a specified count or at regular time intervals.

**Task:**

* Understand the FRS document and analyse the requirement.
* Prepare the test case from use case
* Execute the test case to validate customer requirement.
* Involved in review test case and send review comments to colleagues.
* Prepared mapping sheet of SRS and test case, Checking the database integrity.
* Sending the Regular status to the higher authorities in a timely manner.
* Participate in status meeting to discuss about project progress report.
* Log the defect using defect management tool such as HPALM

**Project Sequence 5**

 Project Name : Payment Dynamics

 Client : National Australian Bank (NAB), Australia

 Vertical : Payment (Banking and Finance (BNFS),Business intelligence – MS Power BI /Dwh-etl

 Technology & Tool : Database Testing , File processing , Web service testing ,job run ,Unix ,Business Intelligence

**Detail Project Overview and Workflow :**

A cardholder begins a credit card transaction by presenting his or her card to a merchant as payment for goods or services. ... The acquiring bank (or its processor) captures the transaction information and routes it through the appropriate card network to the cardholder's issuing bank to be approved or declined.4 major actors who are responsible to govern the payment processing. Acquiring Bank (Merchant’s Bank)

Issuing Bank (Cardholder Bank),Card Associations (Visa and MasterCard),Cardholder ,Merchant.

Various Features are

Authorization

The credit card issuer receives the transaction information from the acquiring bank (or its processor) through Banknet or VisaNet and responds by approving or declining the transaction after checking to ensure, among other things, that the transaction information is valid, the cardholder has sufficient balance to make the purchase and that the account is in good standing. The card issuer sends a response code back through the appropriate network to the acquiring bank (or its processor). The response code reaches the merchant’s terminal, software or gateway and is stored in a batch file awaiting settlement

Credit card clearing and settlement

The acquiring bank (or its processor) reconciles and transmits the batch of authorizations through interchange via the appropriate card association’s network (VisaNet or Banknet).The acquiring bank also deposits funds from sales into the merchant’s account via the automated clearinghouse (ACH) and debits its merchant’s account for processing fees either monthly, daily or both depending on the merchant’s processing agreement.

Card Network: The card association debits the issuing bank’s account and credits the acquiring bank’s account for the net amount of the authorizations which is gross receipts less interchange and network fees. Issuer : The card issuing bank essentially pays the acquiring bank for its cardholder’s purchases. Cardholder : The cardholder is responsible for repaying his or her issuing bank for the purchase and any accrued interest and fees associate with the card agreement.

**Task: Handled :**

* Properly analyse Business logic and SRS
* Created and executed test cases to ensure Functionality meet Business logic
* Analyzed logs generated reports and identified failures.
* Identified bug trends and participated in general QA initiatives
* Maintain a consistent look and feel throughout all modules
* Prepare Tracebilitymatix to match use case and test case
* Involve in review of test case and share review comments
* Involve in file processing and implementation of stub during system Integration
* Log the defect using defect management tool such as HPALM .
* Run the jobs using Unix commands.
* Generate various types Reports and share with top management

**Declaration:-**

I hereby declare that the above-mentioned information is correct to the best of my knowledge.

Date:

Location

Regards,

Swapnil Gawate