Twinkle Virendra Narang

Cloud ETL/BI Test Engineer – Accenture
(https://www.accenture.com/), Pune

CONTACT

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📍 House no 42, Near Panchvati lawn,
ST workshop, Tukum

EDUCATION

➔ University -Gondwana University
➔ Branch -Bachelor of business
administration

AWARDS RECIEVED

❖ **Received Performance award from Accenture for good performances .**

❖ **Received appreciation for E2E BSS Delivery from Client VoipGrid , Netherlands**

PERSONAL INFO

➔ **Fathers Name -Virendra Narang**
➔ **Mother's Name - Jyoti Narang**
➔ **DOB - 16/10/1998**
➔ **Address -House no 42, Near Panchvati lawn, ST workshop, Tukum, Dist- Chandrapur 442401,Maharashtra**

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 **google big query /Mongo DB / Big Data / Cloud ETL /Python Automation / 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:

Google Big Query|Big Data |Mongo DB | Database Testing | ETL Testing | BI Testing | Unix | REST Web service Testing |SQL| Agile | Selenium |Dataset Automation with Python Script |

Vertical/System Involvement Area :

Telecom OSS/BSS | Payment | Amdocs CRM | Supply Chain Analytics |

 Data Migration

Client :

VoipGrid, Netherlands | Tangerine, Australia | PaySimple,USA

Domain/System/ module Worked/Working with :

Amdocs 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 |Role based access security system | Data volume Testing (Shortest path Detection –Performance Testing |System Integration – Functional | MDDA –Multi dimension data analytics |

Process worked With : | Agile | V model | Waterfall

ETL Tools used : SSIS Package , Ab initio , Express IT **|** Defect Management tool : HPALM , JIRA **|**Process : Agile + Waterfall Model + Devops , Configuration Tool : GIT **|** 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 * SOA Web service Testing * Unix * SQL * Soap UI * HPALM * JIRA * Waterfall model * Agile * SaaS Cloud * RESTful Web service * JSON *Data Volume Performances test * SecurityTest *Automation testing*Python* Selenium

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,REST Web service testing
- Strong experience with Mediation, Amdocs CRM ,Telecom BSS/OSS ,Payment, Data analytics [DWH+BI]System/Domain.
- Analyze **ETL** Requirements and Mapping sheet with BA
- Involved in CSV & Json Dataset Automation using Python script
- Well versed in Hadoop ecosystem - Map Reduce, Pig, Hive, HBase, 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 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 **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 95/98/2000/NT/XP, UNIX, Linux
- Languages - Python, SQL, PL/SQL,
- Testing Tools REST ,PuTTy
- Cloud – AWS
- Cloud warehouse – Google Big query
- Bug Reporting: JIRA, HPALM
- Databases : Oracle 9i/10g/11g, SQL Server 2005/2008
- ET/BI L Tools: SSIS Package , Metric Insights BI , Ab initio
- Database Tools: SQL Developer
- Web service tools/Technology REST , JSON , POSTMAN

Working Zone – Organization :

Currently working as **Cloud ETL/BI Test Engineer** - Accenture (https://www.accenture.com/) , Pune since March 2020 to till date.

PROJECTS;

Project Sequence 1

Project Name : 5G Front haul – O-RAN

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

Client   : Tangerine, Australia

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

Application Tier : Multi-Tier

Detail Project Overview and Workflow :

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 HPALM.

Project Sequence 2

 Project Name : Wireline Billing and smart Data Analytics

Vertical : Telecom BSS ,Amdocs CRM
Client **:** VoipGrid , Netherlands
Technology & Tool : Data warehousing /Etl , SSIS Package,Database testing , Unix ,

Detail Project Overview and Workflow :

This solution is a powerful rating and billing engine that performs the complex rating, bundling, contract management, and discounting functions that CLECs, wholesale carriers, resellers, cable companies, unified communications and IP providers demand.The implementation of this solution will Gain Billing Efficiencies, Guard Your Revenue. Manage complex corporate relationships with n-tier hierarchies that include functionality for establishing invoice responsibility, discounts, contract management and more. Manage complex corporate relationships with n-tier hierarchies that include functionality for establishing invoice responsibility, discounts, contract management and more. provides convergent support – and a single invoice – for providers transitioning from traditional communications services into multiple lines of service including IP, cable, mobile, SaaS and nearly any other service delivery model.

The main features are

Support for corporate hierarchies,Order Management automation,Product management and pricing for any business model,One bill for any service,Capture all your revenue,Integrate with ease,Agent support

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 JIRA
- 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   : Bandwidth management

Vertical   : Telecom BSS, Amdocs CRM

Client   : **VoipGrid, Netherlands**

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

Detail Project Overview and Workflow :

Bandwidth management is the most complex and growing concern for majority of internet service providers. Some evolutionary internet trends and the rise of mobile technology are the triggers leading to the need of managing internet bandwidth efficiently. With increase in use of mobile devices and availability of internet service at public places, it is not possible to build infinite bandwidth and make internet available for ever-increasing usage. Internet Bandwidth is a limited resource and it has to be managed and judiciously used. Internet Bandwidth management can be done by embedding a solution into the internet access network that can capably control the entire network. The solution should have robust Bandwidth and Quality of service [QoS] management feature that helps internet service providers implement bandwidth control based on usage, services, or as per their customized needs. Also, the solution should support variable bandwidth allocation based on hours/days or data usage to strategically distribute bandwidth as required

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 JIRA , 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   : **Enterprise Carrier Wi-Fi**

Vertical /System   : Telecom BSS , Amdocs CRM , Tibco

Client   : **VoipGrid, Netherlands**

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

Detail Project Overview and Workflow :

This solution continues to de-strain and optimize the mobile networks by seamlessly offloading traffic and offering unique monetizing prospects by offering location and profile specific contextual ads, promotions and notifications, app based seamless connectivity and business Intelligence with reporting and analytics. It uses traffic patterns, usage & device behaviour, activities over Wi-Fi.

Nowadays, enterprises across segments including hospitality, transportation, education, retail, smart cities, healthcare etc. find potential in Wi-Fi as means to get closer to customers by offering customized and personalized Access services. It has in-built detect, connect, engage and analyse model to enhance customer engagement and revenue opportunities. To facilitate this, service providers are now transforming from service provisioning to service enablers. This entails a comprehensive Enterprise Wi-Fi solution capability to offer real-time customer Wi-Fi usage analysis, business applications integration support, customizable analytical reports, contextual ad campaigns and monetization business cases across to enable high quality Wi-Fi services for enterprise customers.

Another talked about trend in the recent times is offering voice services over Wi-Fi. As an access enabling technology Wi-Fi holds great potential to entice positive disruption in the telecom space. Wi-Fi calling or Voice over Wi-Fi (Vo-Wi-Fi) enables operators to overcome the challenges of declining voice revenues, poor indoor coverage, congested cellular spectrum, infrastructure CapEx etc. and offering hassle free HD quality voice experience and seamless voice transfer between cellular and Wi-Fi

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 : Report Dynamics

Client : PaySimple,USA

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

Detail Project Overview and Workflow :

The availability of substantial, detailed statistics on the payment system and market infrastructures is an important means of permitting accountability of the central bank in the exercise of its institutional functions, fostering innovation in the payment and post-trading industry and stimulating research at universities and at the central banks.Accordingly, the Bank of Italy publishes the Supplement to the Statistical Bulletin on the Payment System, an important source of data on the state and evolution of the payment system and securities settlement sector in Italy. The Supplement contains data pertaining to three broad areas:payment system access points and the use of retail payment instruments by firms and households interbank payment systems operated by the Bank of Italy (TARGET2-BI and BI-COMP) clearing and settlement of securities transactions The statistics published in the Supplement derive from a multiplicity of sources, including:

supervisory reports,the databases on the settlement circuits operated by the Bank of Italy,the Interbank Register of Bad Cheques and Payment Cards,ad hoc flows supplied by external entities.,Alongside the production of the Supplement, contributions on payment systems, securities settlement systems, central depositories and central counterparties are made annually to the European Central Bank and the Bank for International Settlements for subsequent publication in the former's Statistical Data Warehouse and the latter's volume on Statistics on payment, clearing and settlement systems in the CPMI countries.
This BI solution Keep a close eye on all user financial operations in real-time and track important KPIs such as turnover, profit, loss, budget variance, operational cost, and much more. Various report and dashboard are validated

Finance Performance Analysis Report ,Capex and Roi by month Report ,Capex an ROI by Service Report
Capex by country Report ,Revenue profit by country and service Report ,Revenue and Service Report
The central banks Financial Systems Supervision Annual Reports
The Financial System Supervision Report is prepared in accordance of the Banking and Financial Services Act (BFSA). The purpose of this report is to present an analysis of the performance and condition of banks and non-bank financial institutions (NBFIs) under the mandate of the BOI .

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 Tracebility matix 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 JIRA .
- ▪ 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.

Regards,
Twinkle Virendra Narang