**Pravallika Vankadara**

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**Profile Summary:**

 Have 7.5 years of experience in software testing (**Manual, Database, Bigdata/Hadoop technologies, BI Tool – Tableau, ETL Testing and Web Application testing**) working for Health care domain.

 Expertise in development and executing the manual Test Scenarios and test cases.

 Worked in Healthcare & Banking domain projects in **Agile** methodology.

 Having experience on HADOOP/Big Data testing using Eco systems: **Hive**, **Impala and Hbase**.

 Hands on experience in **AWS Server, using S3, Athena, DynamoDB, Redshift etc**.

 Hands on experience in writing and executing complex **SQL Queries.**

 Have experience on **Atscale** tool – to validate the cubes

 Flexible, keen and positive attitude allowed me to have ample knowledge on Hadoop, Spark, ETL tools (Informatica, Abinitio), Automation tools (like shell scripting).

 Have experience on validating the **Web Portal**  & **Tableau** dashboards.

 Having experience on using **UNIX**, as per the testing needs to validate the source data.

 Analyzing the proper root cause if job gets failed with the help of **oozie**.

 Have knowledge on **Sqoop.** Running the jobs through web application created for the client to load data**.**

 Expertise in various testing methodologies like Smoke/Sanity Testing, Functional testing, UI Testing, Regression Testing, Ad-Hoc Testing, and Database Testing on Web Based Applications.

 Good Exposure on Bug Life Cycle.

 Achieved many Awards like COE and Appreciations for the creation of Automation Utilities and Customer success.

 Implementing the intermediate builds into respective server.

 Running the **database scripts** into the **respective databases** in the **SQL server**.

 Creating the websites in the server to test the application.

 Setting up the web.config file as per the QA needs to test the application in sever (like changing the connection string and configurable things).

# Education:

 Bachelor of technology (**Computer Science & Engineering**) with 78% CGPA, from Yogi Vemana University, Kadapa.

# Experience Summary:

 Working as Associate QA Lead with Emids Technologies Pvt Ltd, Bangalore.

 Worked as Software Test Engineer with Infosys Limited, Mysore.

 Worked with Kclink Technologies Pvt Ltd, Bangalore

# Technical Skills:

Testing Skills : Manual, Database testing and Hadoop testing. Hadoop Eco systems : AWS ( S3, Athena, DynamoDB), Cloudera Manager HDFS, Hive, Impala, Sqoop.

RDBMS : SQL Server 2005/2012, Oracle.

Defect Tracking Tool : Jirass

BI Tool : Tableau

Operating System : Windows2000, 03 XP, Windows Server 2003, Windows7

# Projects handled:

###  Project #1

**Name : COTIVITI**

Platform : Big data, Hive/Impala,Spark.

Testing Tools : Jira

Domain : Healthcare

###  Description:

The main objective of this project is to improve the performance of the data, data analytics for decision making and reporting. As part of this data is migrating from relational database which is converting from Common data format to Global data format in Hadoop Data Lake using spark integration process. As part of Cotiviti, major part is MDM

functionality on Patient and Provider Data received from the source from different clients to uniquely identify the patient and provider records. Below are the list of functionalities:

GDF creation

Patient MDM functionality Provider MDM functionality

ER Linking – Population of patient\_sk and provider\_sk in GDF, Dashborads, Reports etc.

# Roles in the Project:

* Understanding the Process design document and writing the test case.
* Worked as Testing Lead by assigning work and Mentoring the team
* Running the jobs using UI portal and verify the Web Application(BUSF Portal) functionalities.
* Test planning, Test estimation, Requirement Analysis, Test cases review and raising defects, Updating the Jira tasks which are related to QA.
* Involved in test execution, Provide Test Summary Report and Sign off.
* Responsible for providing daily and weekly status report to stack holders.
* Responsible for Providing UAT support to Users when UAT was performing.
* Providing the training to the new team members.
* Validating the Hive tables by running customized HQL’s , transformation logic applied as per the requirements
* Attending project scrum meeting regularly
* Preparing and sharing test execution status across stakeholders

### Project #2

**Name : Abacus Data Lake**

 Source Systems : Flat files, CSV, JSON, XML, Relational Databases (like SQL Server), etc.

 Target Systems : AWS S3 (Parquet, JSON) tables in Athena, Redshift.

Testing Tools : JIRA

Domain : Healthcare

###  Description:

 The main objective of this project is to load the data to one target system in JSON format files, which is fast retriever for the UI Portal. To achieve this, Source files will be loaded into the target by using Connector Airflow jobs. Convert the sources into multiple domain tables.

# Roles in the Project:

* Understanding the Process design document and writing the test case.
* Worked as Testing Lead by assigning work and Mentoring the team
* Test planning, Test estimation, Requirement Analysis, Test cases review and raising defects, Updating the Jira tasks which are related to QA.
* Involved in test execution, Provide Test Summary Report and Sign off.
* Responsible for providing daily and weekly status report to stack holders.

###  Project #3

**Name : Atlas Data Lake**

 Source Systems : Mainframes, Flat files, Relational Databases (like SQL Server, Oracle)

 Target Systems : Hadoop (Avro files in HDFS), Hive

Testing Tools : HP ALM

Domain : Banking

###  Description:

SunTrust is embarking on a major re-design of the decision support, analytics and reporting environment. As part of this, Atlas will be changing the data-staging model from existing DIME (data warehouse) to the data lake (Hadoop). To achieve this, same source systems and Business as Usual transformations (BAU) which are used in existing DIME environments will be incrementally migrated to Atlas and targets is HDFS in the Avro format files, retrieve target data using HIVE. The objective is to efficiently migrate the existing functionality to a new platform i.e., Hadoop which has unlimited storage and supports massive parallel processing.

Flow: **Source 🡪 ETL 🡪 Target (HDFS)**

# Roles in the Project:

* + Testing the data flow from diverse set of sources like Mainframe, XML, Flat files, Relational Databases etc., to Atlas Data Lake.
	+ Identifying test scenarios and test approaches.
	+ Preparing test cases as per requirements
	+ Creating UNIX shell scripts to automate complex and repeatable manual works.
	+ Running Abinitio graphs (using mainframe jobs) or using air commands from back-end unix and validating data in HIVE.
	+ Extracting respective source files from different sources like Mainframe, Flat files & tables from database to perform validations for History and Incremental loads.
	+ Validations performed on Initial load & CDC Scenarios-FULL, Delta and Incremental loads.
	+ Used HP ALM, for organizing and executing test cases and tracking the defects.
	+ Analysing issues and raising defects, Active participation in Status and Defect Calls with Onshore, Offshore & Development team.
	+ Involved in mentoring new folks and providing necessary knowledge transfer of the system.
	+ Got INSTA Award for the successful leading the team without any leakage of defects.

###  Project #4

**Name : ADL – R2RA**

**Source Systems :** Hadoop (Avro files in HDFS), HIVE

**Target Systems :** Hadoop (Parquet format files in HDFS), HIVE

**Tools :** Jira, HBASE, Oozie, Mainframe, Yarn logs

**Domain :** Banking

###  Description:

The major goal of this project is to increase the performance, accessibility and security of data. Follows the masking rule for sensitive fields in raw accessible zone where the data is accessible for Business analytics. All source system data will be loaded in the lake as a full read and write copy of source.

# Roles in the Project:

* + Analyzing and Developing test scenarios and test cases requirements.
	+ Test data preparation, which meets the test scenarios.
	+ Writing HiveQL queries to validate the data and transformation rules.
	+ Comparing data and different masking rules in raw and raw accessible.
	+ Writing shell scripts to automate the validations to increase productivity and reduce the repeatable work.
	+ Validating and Running jobs in Oozie for loading data into target system.
	+ Validating data exhaustively using HIVE & UNIX Shell Scripts.
	+ Got INSTA Award for creating scripts that helped to bring down testing overheads

###  Project #5

**Name : Time Deposit**

 **Source Systems :** SQL, Oracle, Flat files

 **Target Systems :** Oracle

 **Tool :** Informatica, HPALM

### Description:

An IRA is setup at a financial institution that allows an individual to save for future purpose with tax-free growth. As part of this application, the client created a data mart to collect the data related to the IRA. This data mart will support the bank to analyse the various aspects of investment of consumer line of business.

# Roles in the Project:

* + Involved in functional study of the application.
	+ Understanding the requirements and preparing the test cases accordingly.
	+ Pulling the required number of test instances in the ALM and involved in the execution of test cases by performing the validation using SQL queries.
	+ Validating and Running jobs in Informatica Tool to load data into the target system.
	+ Validating data and transformation rules using Mapping document.
	+ Raising Defects in ALM if there are any and communicating with the build team for bringing them to closure.

### Project #6

**Name : Focal Point**

 **Source Systems :** SQL, Oracle, Flat files

 **Target Systems :** Oracle

 **Tool :** Informatica, HPALM

 **Domain :** Banking

**Description:**

Data was inconsistently managed within wealth and investment management that is segregated into silos by sub-Lob and the same data is stored in multiple places. Current reporting infrastructure utilizes the data from multiple sources, which results in inconsistent management reports. Thus limiting the ability to understand business metrics across sub-lob’s and end users have limited access to Business Intelligence.

# Roles in the Project:

* + Created Test Case for new functionality based on requirement document.
	+ Created Test cases which includes for positive and negative testing.
	+ Used Quality Center for writing/executing test cases, Requirement Mapping and Traceability Matrix.
	+ Worked within the software development cycle to file and track bugs using JIRA.
	+ Provided daily, weekly status reports to Lead
	+ Attending weekly QA meetings and project meetings