MAGENDRAN SUNDARAM

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**EXPERIENCE SUMMARY:**

* Overall 5.10 years of relevant experience in Big data - Hadoop/DWH/ETL/BI and Backend Testing of Software projects in Banking/Capital Markets Domain.
* Experience in preparing Test plans, Test scenarios, Test cases & Test execution to work on system testing, system integration testing and UAT Support in both Waterfall and Agile Methodology
* Sound knowledge on Big Data Hadoop and Analytics landscape tools – HDFS, Hive
* Experience in UNIX shell scripting to automate efforts in big data testing by calling HQL and Pig scripts in Unix shell
* Experience in writing complex SQL queries in Hive, DB2, Oracle, Teradata to validate the data transformations across multiple layers
* Experience in oracle BI reporting tool OBIEE to validate data between DB and reports
* Experience in UAT support to work with users in data reconciliation, test data requirement, defect tracking, co ordinate between users and developers
* Hands on experience in writing commands in Spark Shell(Scala, Python) ,Spark SQL, Mongo DB, Pig, Sqoop

**SOFTWARE SKILLS:**

Operating Systems: Windows 98/2000/XP/07, Linux

Languages: DB2, Unix, Teradata, Shell Script, BTEQ Script

Tools: QC 11, Control-M, Winscp, Putty, Jira, DataStage,

SQOOP, Hive, Pig, Mongo DB

**CERTIFICATIONS:**

ISTQB Foundation Level Certified Tester

**PROFESSIONAL EXPERIENCE:**

### Organization 1: Wipro Technologies.

Duration: July 25, 2011 – February 2, 2014

Organization 2: Cap Gemini India Limited,

Duration: February 06, 2014 – Till Now.

**PROJECTS WORKED:**

**PROJECT 1:**

**Title: Hadoop Sourcing/Extraction project.**

**Client: Standard Chartered Bank**

Skills:ALM, Jira, File system, Hadoop, Hive, Linux, Teradata, Shell Script, BTEQ Script, Excel VBA

Domain: Banking

Duration: November 2015 to till now

Team Members:8

Role:Consultant.

**PROJECT DESCRIPTION:**

Project initiated to warehouse the data from different TP/Interface systems in Hadoop data lake (EDM). Data from TP system will be extracted into a fixed/variable length file and transferred through ISIS/CDM/NDM to Hadoop sever. From there it gets loaded into hive tables through the defined framework. Data in Hadoop Lake is considered as T1 layer where it is a direct dump from Source, From T1 layer data get filtered based on requirements to T2 Teradata layer/Hadoop layer by applying the required business logics. It gets further moved to T3 Teradata layer with further business logics from their final data get extracted and transferred to required down streams.

**PROJECT RESPONSIBILITIES:**

* Preparing Test plan, test strategy, test case and standardized test framework for the individual TP systems
* Control-M job execution to load the source data from edge node into Hadoop
* File format validation of the source file, Data type/table validation by comparing the mapping and hive config tables
* Record count validation by comparing count in source file and Hadoop tables(Landing, Duplicity, SRI open, SRI Non open, OPS)
* Data validation between source file and hive table data
* Shell script build to automate the validation as all source systems involves the same injection framework with few modifications
* Teradata SQL Script build to validate the data loading into target tables from source tables by adding business conditions
* Hive HQL Script build to validate the data transformation from T1 Hadoop layer to T2 layers/File.
* BTEQ Script build to connect teradata from backend to automate the query execution process as the SQL scripts need to be re run to validate different countries
* Extraction file validations such as file format, header, footer, delimiter, record count between final view tables and extraction files, check sum validation, NULL and Not NULL Characters, automate these processes using shell script
* Data reconciliation between T1 hadoop and T3 Teradata layer

**PROJECT 2:**

**Title: Fixed Official Confirms (FCO)-EOD Statements.**

**Client: Morgan Stanley**

Skills:ALM, Jira, Saturn Tool,Back end testing, EOD Statements, XML & Database validation

Domain: Capital Markets.

Duration: February 2014 to October 2015

Team Members:2

Role:Associate Consultant.

**PROJECT DESCRIPTION:**

Morgan Stanley – Fixed Official Confirms (FCO), a downstream application of trade handling to design and deliver the statements/Confirmation of the trades booked by a client or a Party for UK,NY,TK,HK regions. EOD Statements generated for Buy, Sell, Modification to the existing trade, cancellations.

**PROJECT RESPONSIBILITIES:**

* Performed system testing by processing the input trade messages from upstream stream in FCO Broker Queues.
* Migration testing of the upstream system, Legacy Trade Publishing (LTP) to Trade Publishing (TC).
* Created regression suite using inbuilt Saturn tool to automate the validation process
* Created regression data build to cover all possible trade combinations received by FCO for regression run
* Test trade (TMD) XML extraction from Production Parallel environment logs for new test requirements and to add regression suite and to test new scenarios.
* Daily scrum meeting to analyze the sprint progress, constraints and new requirements.
* Performed table partitioning in QA environments and maintained server space by purging older data
* Performed data migration from development database to QA database on static tables

**PROJECT 3:**

**Title: Wipro Gallagher Solutions (WGS)**

Client: US Bank upgrade/Webster

Skills: **Oracle, OBIEE, BI Reports**

Domain: Mortgage

Duration: March 2013 to February 2014

**PROJECT DESCRIPTION:**

Wipro Gallagher Solutions (WGS) has been the premier provider of Mortgage loan origination systems and an end-to-end provider of lending products and services. WGS, formerly known as Gallagher Financial Systems, was acquired by Wipro Technologies in 2008.The end to end Mortgage process consists of Origination, Processing, Underwriting, Closing and Post closing stages. Net Oxygen is the front end application providing end to end loan origination process. BOKF, US Bank, Webster, JP Morgan, and BNYM are some of the clients using WGS as their Loan origination system.

**RESPONSIBILITIES:**

1. Participated and gathered new requirement and change requirements(CR) and develop test plan
2. Test case, test plan and strategy preparation for reporting applications
3. Data re-conciliation between source file and Oracle DB.
4. Validation on data between DB and report generated from OBIEE Dashboard and cosmetics of the report
5. Extensively used and developed SQL scripts/queries in backend testing of Database.

**PROJECT 4:**

**Client: Standard Chartered Bank.**

Title:SIMCO MY/SG**.**

Skills:SQL, HP Quality Center, QTP, UNIX.

Domain: Core Banking.

Duration: Nov 2011 to February 2013.

**PROJECT DESCRIPTION:**

SIMCO core banking Implementation for Malaysia/Singapore started to migrate the core banking application from HOGAN, a main frame application to eBBS (Electronic Branch Banking System), a java based application to provide additional banking facilities to customers and to cater new banking requirements. Testing scope mainly liaise with Interfaces (Third Party systems).

**PROJECT RESPONSIBILITIES:**

* Performed testing with different Interface systems from eBBS core module
* Prepared functional test scenarios followed by functional test cases with expected standard
* Maintained the BA reviewed test cases, executed the cases and updated the test results with corresponding defect linkage in Quality Center
* Supported the interface testing and users UAT testing by sharing interface files and reports
* Performed database testing by using the Aqua data studio tool (SQL – DB2), used the same for test data preparation and users data mining requests
* Performed batch run using Control M tool
* Data comparison between database and reports

**INTERFACES HANDLED - BATCH INTERFACES:**

1. **BLACKBIRD**- Setting OD (Over Draft) Limit to customers in Account level, Master level and debit posting in OD accounts
2. **FINIQ**- Fixed deposit creation (Premium currency Investment and the Equity linked

Investment), Lien Placement, Blocking amount in Customer accounts, Block removal on Expiry date, Maturing deposits to Customer account(Interest and Premium), Auto roll over deals

1. **RDS**- Rate distribution system, Updating rates in eBBS database for various currencies (Buy rate, Sell rate) through XML Online message, Deal booking for Multi-currency transactions

**Online Messages:**

1. **ISO Messages**- ATM, CDM (Cash Deposit Machine) Interact with eBBS in standard ISO Message format routed via Euronet
2. **XML Messages**- Interfaces like I Banking, SMS Banking interacts with eBBS in

Standard XML Message format (Tag fields)

**ACADEMIC CREDENTIALS:**

* B.E from Kongu Engineering College, Erode in the year 2011 with **8.51 (CGPA)**
* HSC from Erode Hindu Kalvi Nilayam (EHKN), Erode in the year 2007 with **86.33%**
* SSLC from Thamarai Matric Hr Sec School, Erode in the year 2005 with **84.81%**

**PERSONAL VITAE:**

Name : Magendran.S

Date of Birth : July 24, 1990

Gender : Male

Marital Status : Single

Nationality : Indian

Languages Known : English, Tamil

Permanent address : #51, Palamangalam, Minnapalayam (P.O),

Sivagiri (Via), Erode (Dis) – 638 109

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Date: