

Ramkishan Dhananjay Jagtap

Cloud Big Data Test Engineer

Persistent System

(<https://www.persistent.com/>),Pune



+91-9096890799



ramkishanjagtap@hotmail.com

OBJECTIVE

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

CONTACT



+91-9096890799



ramkishanjagtap@hotmail.com



Ho.No 106 At Awargaon TQ Kille Dharur Di Beed 431124

PERSONAL DETAILS

- Father name -Dhananjay Jagtap
- Mother's Name - Shardha Jagtap
- DOB - 09/01/1994
- Address -Ho.No 106 At Awargaon TQ Kille Dharur Di Beed 431124
- Marital status:- Single
- Language:- Marathi, Hindi, English

HOBBIES



EXPERIENCE

Core Technologies:

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

Vertical/System Involvement Area :

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

Client :

Telia Carrier, Finland | Ooredoo Group, Oman | Bank of Queensland, Australia

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 |

The process worked With: | Agile | V model | Waterfall

ETL Tools used: SSIS Package, Ab Initio, Express IT | Defect Management tool: HP ALM, JIRA|Process: Agile + Waterfall Model + DevOps, Configuration Tool: GIT | BI Tools used: Metric Insights BI

Technical Qualification Headlines

Manual Testing *Networking Protocols –MPLS,BGP,IGP *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 * Waterfall model * Agile * JIRA * SaaS Cloud * RESTful Web service * JSON *Data Volume Performances test * Security Test *

Certification of PMI ACP for Scrum Agile Methodology

AWARDS

- ❖ Received Performance award from Persistent System for good performance.
- ❖ Received appreciation for E2E BSS Delivery from Client **Ooredoo Group, Oman**

❖ EXPERIENCE SUMMARY:

- ❖ 3+ Years of experience in **Software Testing** and Quality Assurance including Database Testing, SAS Data Management, Data warehousing –DWH-ETL testing, REST Web service testing
- ❖ Prominent experience with **Mediation, Amdocs CRM, Telecom BSS/OSS, Payment, and 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 the Hadoop ecosystem - **Map Reduce, Pig, Hive, HBase, Oozie, and Sqoop**.
- ❖ Experience in Data Analysis, Data Validation, Data Cleansing, Data Verification, and identifying data mismatch.
- ❖ Experience in importing and exporting data from a relational database into a **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 **Hive**.
- ❖ 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 Python**.
- ❖ 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 the core **database engine and the Hadoop ecosystem**
- ❖ Map Source and target data In terms of **Duplicate, Count, Nullable, String length, datatypes, constraint, length**
- ❖ Analyzed source systems, gathered business requirements, and identified business rules.
- ❖ Prepared and ran **SQL queries** to verify Dimensional and Fact tables, Verified the data in the 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 analyze **SRS to ensure it meets the Customer requirement**, Responsible for **Test Case Writing, Execution, Bug Tracking, and Reporting**.
- ❖ Actively involved in **Review** of test Cases, Performed **Functional, Integration and Retesting, Regression, Sanity, and Database testing**.
- ❖ Enough exposure to all stages of **SDLC**, Mapped the business requirements with test cases by preparing a **Traceability matrix**. Sound knowledge of the whole **Software Test Life Cycle (STLC)**.
- ❖ Work closely with other testers and developers with bug fixes and **Defect Analysis** Using defect management tools such as **HP ALM & JIRA**
- ❖ Used **Postman** tool and **JSON** as a 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 of **UNIX** Commands to validate server data, A result-oriented team player and skillful in coordinating with the 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: SQL, PL/SQL, Python
- Testing Tools REST, PuTTY
- Cloud – AWS, AZURE
- Cloud warehouse – GOOGLE BIG QUERY, Data Bricks
- Bug Reporting: HP ALM ,JIRA .
- Databases: Oracle 9i/10g/11g, SQL Server 2005/2008
- ET/BI Tools: SSIS Package, Metric Insights BI, Ab initio

- Database Tools: SQL Developer
- Web service tools/Technology REST, JSON, POSTMAN

EDUCATION:

- University -Pune University
- Branch -Mechanical

Working Zone – Organization:

Currently working as **Cloud Big Data Test Engineer - Persistent System** (<https://www.persistent.com/>), Pune since June 2019 to till date.

PROJECTS UNDERTAKEN:

Project Sequence 1

- Project Name: **Cisco Converged 5G haul Transport**
- Vertical: Telecom OSS –Provisioning & Activation [Inventory Management]
- Client: Telia Carrier, Finland
- Technology & Tool: System Integration, Database testing, Rest Web Service, stub Implementation, Unix
- Application Tier: Multi-Tier

Detail Project Overview and Workflow :

Cisco has been at the forefront of this transition with its Unified Multiprotocol Label Switching (MPLS) solution, designed around standards-based packet technologies and carried over a high-capacity optical infrastructure. Mobile operators have adopted Unified MPLS globally, setting the standard for IP-based mobile service delivery.

There are three fundamental aims of Unified MPLS.

The first is obvious; to build an infrastructure able to support the packet and TDM services needed for a 2G/3G/4G mobile network. The second is scalability, such that the architecture can support the networking requirements of the very largest operators using packet technology starting from the core to the access layer of the network. The third is building a cost-effective infrastructure, so that as you move from the core toward the access, the forwarding and control plane of the network equipment can become simpler and more cost-effective.

Unified MPLS relies on splitting the network into different domains and introducing a hierarchy that has an IP core domain (not to be confused with the mobile core) in the center, with aggregation and access domains surrounding it. Each domain is isolated from the others and runs its own Interior Gateway Protocol (IGP). Where inter-domain connectivity is required to deliver a service, Border Gateway Protocol (BGP) carries the appropriate inter-domain prefixes, allowing communication from end to end.

Roles and Responsibilities

- Understand the FRS document and analyze the requirement.
- Analyze Customer Requirements and Create test conditions.
- Creating Test cases based on the Business Requirements Specification documents in HP ALM.
- Prepare Traceability matrix to map customer requirement vs test scenario,
- Prepare Test report and share with client, Performed Sanity test, system integration test, Regression test
- Executing Test Cases in HP ALM and registering defects.
- Prepare documentation like Testing Progress, Test coverage, and providing status to the 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 the use case
- Execute the test case to validate customer requirement
- Involved in the 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 on time.
- Participate in scrum meetings to discuss project progress reports every day.
- Register the defect using a defect management tool such as JIRA.

Project Sequence 2

- Project Name: Post-Paid Billing
- Vertical: Telecom BSS, Amdocs CRM
- Client: Ooredoo Group, Oman
- Technology & Tool: Data warehousing /ETL, SSIS Package

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 Efficiency, Guard Your Revenue. Manage complex corporate relationships with n-tier hierarchies, including 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, and Agent support.

Roles and Responsibilities

- Reviewed Business Requirements, Functional Specifications, and Detailed Design documents (Including UML).
 - Updated test plans, and created test cases and test scenarios for assigned functional areas (Including Transact SQL queries for data validation).
 - Analyze the mapping sheet and verify the source and target system
 - Use complex queries to check the output to ensure it meets the business logic
 - Executed test cases to ensure functionality meets the customer's 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
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- **Project Sequence 3**
 - Project Name: VoIP Billing and Charging
 - Vertical: Telecom BSS, Amdocs CRM
 - Client: Ooredoo Group, Oman
 - Technology & Tool: Data warehousing /ETL, EDI File Processing, SSIS Package, Database testing, Unix, Job Run

Detail Project Overview and Workflow :

The Internet of Things (IoT) is opening up exciting new revenue opportunities for businesses in all industries. Connected hardware, networks, platforms, and solutions are offering newer ways to generate revenue from data, storage, and 'smart' services. However, to make the most of the IoT opportunity, companies need to transform their business processes and invest in newer support systems that are built for the IoT economy. Bandwidth management is the most complex and growing concern for the 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 the increase in the use of mobile devices and the availability of internet services in public places, it is not possible to build infinite bandwidth and make the 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, and 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 the 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 the target system
- Verify that null fields are not populated
- Verify data is neither garbled nor truncated, Verify data type and format in the target system are 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 the same after applying filter rules

- Insert a record that is not loaded into the target table for a given key combination
- Copy records, sending the 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 database are connected well and there are no access issues.
- For a full load, check the truncate option and ensure it's working fine, While loading the data, check for the performance of the session, and Check for non-fatal errors.
- Verify you can fail the calling parent task if the child task fails, Review and modify the Test Cases.
- Execute the test case in the 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's 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: Subscriber Management
- Vertical /System: Telecom BSS, Amdocs CRM, Tibco
- Client: Ooredoo Group, Oman
- Technology & Tool: Data warehousing /ETL, EDI File Processing, SSIS Package, Database testing, Unix, Job Run

Detail Project Overview and Workflow :

This solution continues to de-strain and optimizes 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 behavior, and activities over Wi-Fi.

Nowadays, enterprises across segments including hospitality, transportation, education, retail, smart cities, healthcare, etc. find Wi-Fi potential to get closer to customers by offering customized and personalized Access services. It has an in-built detect, connect, engage and analyze a 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 to enable high-quality Wi-Fi services for enterprise customers.

Another talked about trend in 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 offers hassle-free HD quality voice experience and seamless voice transfer between cellular and Wi-Fi

Task Handled:

- Understand the FRS document and analyze the requirement.
- Prepare the test case from the use case
- Execute the test case to validate customer requirements.
- Involved in the 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 on time.
- Participate in a status meeting to discuss project progress reports.
- Log the defect using a defect management tool such as HP ALM

Project Sequence 5

- Project Name: Intellpay –Payment –As –a Service
- Pay Client: Bank of Queensland, 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 :

With the growth of digital payments, banks have an Intellpay of data available from an increasing number of digital payment sources. Financial institutions appreciate the potential benefits of data, but many face challenges in aggregating and mining information resident in multiple payment systems to generate business-wide efficiencies. Agile production and organization-wide delivery of data insights require financial institutions to think of new approaches to the problem. FSS Paynalytix-as-a-Service combines multi-source, multi-format data in the cloud to

transform raw, complex data into business-ready data assets. Intellpay –as-a-Service model is underpinned by delivering switching, payment services, and payment products for banks, a deeply experienced workforce, and the largest and most diversified group of payment services professionals to deliver transformative business outcomes. The service is customizable to customers' specific business needs, enabling financial institutions to address immediate analytics requirements and expand services as required. Intellpay, the underlying platform powering the service, efficiently ingests and integrates data from discrete payment sources including Switch, Payment Gateways, POS, Mobile Banking, Internet Banking, Card Management Systems, Payment Reconciliation Systems as well as external sources to generate meaningful insights. Intellpay Visualizer delivers highly responsive, interactive dashboards to get a comprehensive view of your business, enabling drilling up and down on billions of records.

Task: Handled :

- Properly analyses 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 a Traceability matrix to match the use case and test case
- Involve in a review of test case and share review comments
- Involve in file processing and implementation of stub during system Integration
- Log the defect using a defect management tool such as HP ALM.
- Run the jobs using Unix commands.
- Generate various types of Reports and share them with top management.

Declaration:-

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

Date:

Location:

Regards,

Ramkishan Dhananjay Jagtap