**Santhosh R**

**Sr.ETL Informatica Developer/administrator**

**PROFESSIONAL SUMMARY**

* 7years of specialized IT experience in building Enterprise Data Warehouse, Data Marts, Operational data stores in major industry sectors like finance, Health, Insurance and Retail using Informatica Power center 9.6.1/9.5.1/8.6.1/7.1.1.
* Expertise in working with **relational databases** such as Oracle 11g/10g/9i,Teradata 14/12, SQL Server 2000/2005/2008 and DB2.
* Proficient in entire **life cycle of DWH** with project scope, **Analysis**, **gathering requirements**, **data modeling**, **ETL Design**, **development**, **Unit / System testing, Production deployment** and **production support.**
* Strong experience in understanding **Dimensional Modeling** like star and snowflake schema and also identifying the Facts and Dimensions.
* Strong experience in Enterprise Data Warehouse environment with **Informatica extracting/loading data to/from Teradata.**
* Expertise in using **Teradata utilities** like **TPT, FASTLOAD, MULTILOAD, and BTEQ scripts**.
* Extensive experience in developing Stored Procedures, Packages, Functions, Views and Triggers, **Complex SQL queries and Oracle PL/SQL.**
* Experience in resolving on-going maintenance issues and bug fixes; monitoring Informatica sessions as well as **performance tuning** of mappings and sessions.
* Experience in applying EBF (Emergency Break Fixes), security patches in Informatica Client and server.
* Experience in maintaining the server like scheduling backups, monitoring services and cleanup of the temporary logs.
* Developed **mappings in Informatica** to load the data from various sources into the Data Warehouse, using different transformations like Source Qualifier, JAVA, Expression, Lookup, Aggregate, Update Strategy and Joiner.
* Experience in designing Profiles and scorecards using**Developer(MRS) and Analyst tool.**
* Experience in building mapplet, physical and logical data objects for the data quality objects
* Good Knowledge in **Informatica MDM**implementation and **Informatica DT Studio** implementation.
* Extensive experience in writing **UNIX Shell scripts and automation of the ETL processes** using UNIX shell scripting.
* Acquired experience with all the aspects of **SDLC (Software Development Life Cycle)** like Planning, Analysis Design, Deployment, Testing, Integration and Support.
* Expertise with **slowly changing dimensions and change data capture** of the Data Warehouse Environment.
* Experience in using Automation Scheduling tools like **Autosys, TWS** and **Control-M**.
* Experience in using the BI reporting tools like **Tableau**, **Share Point** and **Arc plan**.
* Expertise inLogical and Physical design of databases for **OLTP and Data Warehouse** Environments.
* Experience in planning **production code deployment** and implementing with no effect on the other scheduled jobs in the data warehouse environment.
* Good communication skills with strong ability to interact with customers, end-users and team members.
* Solid analytical and dynamic troubleshooting skills.
* Self-motivated and enjoy working in a technically challenging environment.
* Provided 24\*7 on-call support while working on production environments.
* Provided L3 and L2 technical support during the production code deployments and the stabilization phase of the projects.
* Experience in solving the technical and analytical issues within the SLAs.
* Experience in using the tools like **Service Now** in resolving the incidents, requests, problem resolution and change tickets during all phases of the code deployment.

**TECHNICAL SKILLS**

**Operating systems** Windows, UNIX and LINUX

**RDBMS** Oracle 11g/10g/9i/8i, Teradata 14/12, DB2,MS SQL Server2000/2005/2008

**Modeling** Dimensional Data Modeling, Star and Snow-Flake Schema Modeling, Erwin, Microsoft Visio

**ETL Tools** Informatica Power Center 9.6.1/9.5.1/8.6.1/7.1.1 and Informatica BDE 9.6.1

**Reporting Tools** Tableau, Share Point, Arc Plan, MS-OLAP, ROLAP

**Languages** Java, XML, UNIX Shell Scripting, SQL, PL/SQL

**PROFESSIONAL EXPERIENCE**

**SC Johnson & Son, Racine, WI Oct’15- Till date**

**Role: Sr. Informatica/Data Warehouse Developer**

SC Johnson previously called as Johnson Wax is a global manufacturing company and is known for products like glade, Ziploc, Kiwi, Raid, etc. The project is to support the Data Warehouse that consists of applications like Informatica, Teradata, Hadoop and Tableau.

**Responsibilities:**

* Performed monthly checks to ensure that all Information Management related software and hardware are installed following industry best practices, perform optimally, and integrate as needed with other components and applications.
* Created the technical documentation of the **architecture** of the data warehouse, including the physical components and their functionality following the client standards.
* Performed the troubleshooting of the technical issues and incidents related to the **Informatica**, **Teradata** and **Hadoop** applications.
* Performed the **query tuning** and the code **performance tuning** during the testing phase of the project.
* Performed tests for evaluating the hardware and software needed to support the data warehouse that includes **Informatica BDE**, **HDFS**,**Teradata**, data integration, BI and analytics.
* Developed test cases for the **UAT/QA testing** before deploying the code to production environment.
* Maintained the **user and system security** of the Informatica, Teradata, Hadoop and Tableau applications.
* Designed specifications for client machines, application servers, database servers, and networks.
* Participated in **software upgrades and patches** including coordination, testing and stabilization.
* Performed upgrade of Informatica BDE from **9.6.1 to 9.6.1 Hot Fix 3** including the Hadoop upgrade from **Horton Works 2.0 to 2.2**.
* Interacted with **vendor support** to address technology and software issues related to Informatica, Hadoop and Tableau.
* Performed three **Emergency Break Fixes** on Informatica and one Emergency Break Fix on Hadoop to address an issue with the version the is being used.
* Developed a plan for the upgrade of the applications to the latest stabilized version like upgrading Informatica to 10.1, Horton Works to 2.8 and Tableau to 10.
* Managed the workload across the Information Management landscape to reduce the unexpected system maintenance and data loss.
* Integrated security into hardware and software per standards of Global Information Security and applied the patches to address the security concerns.
* Maintained the user and role security in Informatica and ranger security maintenance in Horton Works and Report and Dashboard security in Tableau.
* Designed and planned the integration of all the data warehouse components including implementation of single sign-on where appropriate and integration with a Scheduling Tool. It also includes on-going requirements for Data Integration tools to access variety of data sources and data targets.
* Implemented Kerberos on Informatica and Hadoop applications.
* Developed a plan for the production code deployments for different projects and implemented them in a timely manner without affecting the current schedule.
* Extensively worked with different transformations such as **Expression**, **Aggregator**, **Sorter**, **Joiner**, **Router**, **Lookup**, **Filter** and **Union** in resolving the issues.
* Provided support for the **Informatica Data Quality** profiles and scorecards that performs the data quality analysis of the data from SAP, Db2 and Hadoop systems.
* Extensively worked with **session logs, Profile logs** and **workflow logs** in doing **Error Handling and trouble shooting**.
* Performed trouble shooting and performance tuning for the IDQ code using the **Informatica Analyst** tool.
* Involved in doing **Unit Testing**, **Integration Testing** and **Data Validation**.
* Worked with the **TWS(Tivoli Workload Scheduler) and Autosys scheduling team** in scheduling Informatica Jobs as per the requirement and frequency.
* Implemented various **Performance Tuning techniques** by finding the bottle necks at source, target, mapping and session and optimizing them using the Debugger Wizard in the Power Center tool.
* Performed the system maintenance like scheduling the repository and domain **backups**, **log cleanup** using the shell scripts and weekly system checks for the capacity planning.
* Created UNIX shell scripts and parameter files to reuse the existing code.
* Worked with the **Tableau** team in generating various reports and maintain the confidentiality of the different reports.
* Involved in preparing the Migration Documents and standards across all the platforms.
* Provides L3 On-call support for Engineering related issues for the Information Management stack.

**Environment: Informatica Power Center 9.6.1/9.6.1 HF3, Informatica developer 9.6.1 HF3, Informatica Analyst, Teradata 14, Teradata DBA tools, DB2, SAP, XML, Flat Files, SQL Assistant,Unix shell scripting, Horton Works 2.2/2.0, Tableau 9.3/8.3, Arc Plan 8.**

**Ericsson, Dallas, TX Aug’13 –Sep’15**

**Role: Sr. Informatica/ Data Warehouse Developer**

Ericsson is a leading provider of communications infrastructure, services and multimedia solutions.This project is Creating EDW in Teradata for Ericsson Global reports from various sources.

**Responsibilities:**

* Developed internal and external Interfaces to send the data in regular intervals to Data warehouse systems.
* Extensively used Power Center to design multiple **mappings** with embedded business logic.
* Involved in discussion of user and business requirements with business team.
* Performed data **migration** in different sites on regular basis.
* Involved in upgrade of Informatica from 9.1 to 9.5.
* Created complex mappings using **Unconnected Lookup**, **Sorter**, **and Aggregator** and **Router** transformations for populating target tables in efficient manner.
* Attended the meetings with business integrators to discuss in-depth analysis of design level issues.
* Involved in data design and modeling by specifying the physical infrastructure, system study, design, and development.
* Extensively involved in performance tuning of the Informatica ETL mappings by using the caches and overriding the SQL queries and also by using **Parameter files.**
* Developed complex SQL **queries** to develop the **Interfaces** to extract the data in regular intervals to meet the business requirements and extensively used Teradata Utilities like **M – load, F- Load, TPT, BTEQ and Fast Export**.
* Analyzed session **log** files in session failures to resolve errors in mapping or session configuration.
* Written various UNIX **shell Scripts** for scheduling various data cleansing scripts, loading process and automating the execution of maps.
* Created transformations like **Expression**, **Lookup**, **Joiner**, **Rank**, **Update** Strategy and Source Qualifier Transformation using the Informatica designer.
* Created **mapplet** and used them in different mappings.
* Worked on Flat Files and **XML**, DB2, Oracle as sources.
* Worked on Informatica B2B data transformation using **Informatica Data Transformation Studio.**
* Written PL/SQL **Procedures** and **functions**and involved in change data capture (**CDC**) ETL process.
* Implemented **Slowly Changing Dimension Type II** for different Dimensions.
* Involved in Informatica, Teradata and oracle **upgrade process** and testing the environment while up gradation.
* Worked with **Informatica version Control** excessively.
* Experience in using **SVN** as version control for migration.
* Written **Unit test scripts** to test the developed interfaces.
* Managed enhancements and coordinated with every release with in Informatica objects.
* Provided support for the production department in handling the data warehouse.
* Worked under **Agile** methodology and used version one to track the tasks.
* Written thorough design docs, unit test documentation, Installation and configuration guide documents.
* Performed bulk data imports and created stored **procedures, functions, views and queries**.

**Environment: Informatica Power Center 9.6.1/9.5.1, Informatica DT Studio, Teradata 14/12, Oracle 10g, DB2, XML, Flat Files, Sql Assistant, Toad, PL/SQL, Unix shell scripting, Cognos, SVN, Windows 7**.

**BB&T INC, DALLAS, TEXAS Oct’12- Jul’13**

**Role: Sr. ETL/Informatica Developer**

Building on a tradition of excellence in community banking that stretches back to 1872, BB&T continues to offer clients a complete range of financial services including banking, lending, insurance, and trust and wealth management solutions. BB&T is one of the largest financial services holding companies in the U.S. that offers a full range of consumer and commercial banking, securities brokerage, asset management, mortgage and insurance products and services.

**Responsibilities:**

* Maintain Data Flow Diagrams (**DFD’s**) and ETL Technical Specs or lower level design documents for all the source applications.
* Involved in Requirement analysis in support of**Data Warehousing efforts.**
* Extensively worked with various Active transformations like **Filter, Sorter, Aggregator, Router and Joiner transformations.**
* Extensively worked with various Passive transformations like **Expression, Lookup, Sequence Generator, Mapplet Input and Mapplet Output transformations.**
* Worked with source databases like **Oracle, SQL Server** and **Flat Files.**
* **Extensively worked with Teradata utilities BTEQ, F-Load, M-load & TPT to load data in to ware house.**
* Responsible for definition, development and testing of processes/programs necessary to extract data from client's operational databases, transform, cleanse data and load it into data marts.
* Created complex mappings using Unconnected and Connected Lookup Transformations.
* Responsible for the performance tuning of the ETL process at source level, target level, mapping level and session level.
* Implemented Slowly changing dimension Type 1 and Type 2 for change data capture.
* Worked with various look up cache like **Dynamic Cache, Static Cache, Persistent Cache, Re Cache from database and Shared Cache.**
* Worked extensively with update strategy transformation for implementing **inserts and updates.**
* Worked with various Informatica Power Center objects like **Mappings, transformations, Mapplet, Workflows and Session Tasks.**
* Auditing is captured in the audit table and **EOD snapshot** of daily entry is sent to the distributed list to analyze if there are any abnormalities.
* As per business we implemented Auditing and Balancing on the transactional sources so that every record read is either captured in the maintenance tables or wrote to Target tables.
* Extensively used the tasks like email task to deliver the generated reports to the mailboxes and command tasks to write post session and pre-session commands.
* Extensively used debugger to test the logic implemented in the mappings.
* Performed error handing using **session logs.**
* Tuned performance of Informatica session for large data files by increasing block size, data cache size and target based commit interval.
* Involved in production support when required.
* Monitored workflows and session using **Power Center workflow monitor.**
* Used Informatica Scheduler for scheduling the workflows.
* Provided 24\*7 supports for Production environment for Extraction, Loading and transformation of data by remote monitoring.
* Monitoring the Extraction and loading processes of data and Involved in writing UNIX shell scripting for automating the jobs.

**Environment:** Informatica **Power Center 9.1.1, Oracle, Sql server, My Sql, Flat Files, Teradata 12,Cognos, Unix AIX and Windows XP.**

**Kaiser Permanente, CA Jan’11 – Aug’12**

**Role: Informatica Developer**

Kaiser Permanente is a non-profit Healthcare Organization offering individual and group medical, dental, vision and

Life insurance, Medicare and other government programs. The project that I am involved in is **Membership Data**

**Warehouse (MDW)** which Deals with various subject areas such as Person& Group Membership, Contracts,

Medicare and Finance.

**Responsibilities:**

* Utilized all the features of **Source Qualifier transformation** such as filter, joiner, sorter and SQL override to the extend level at the source level.
* Worked with Business Data Analysts (BDA) to understand the requirements for MDW development.
* Extensively worked with different transformations such as **Expression**, **Aggregator**, **Sorter**, **Joiner**, **Router**, **Lookup**, **Filter** and **Union** in developing the mappings to migrate the data from source to target.
* Extensively used **Lookup transformation** and **Lookup Caches** in looking the data from **relational and Flat Files**.
* Extracted data from various heterogeneous sources like **Sybase**, **Flat Files** and **COBOL** (**VSAM**) using Informatica Power center and loaded data in target database **DB2**.
* Extensively worked with **session logs** and **workflow logs** in doing **Error Handling and trouble shooting**.
* Involved in doing **Unit Testing**, **Integration Testing** and **Data Validation**.
* Worked with the **Control M scheduling team** in scheduling Informatica Jobs as per the requirement and frequency.
* Implemented various **Performance Tuning techniques** by finding the bottle necks at source, target, mapping and session and optimizing them.
* Used **FACETS** in extracting the sampling data.
* Involved in **DWH up gradation** for source system changes.
* Created **Mapping parameters** and **Variables** and written **parameter files**.
* Created **UNIX shell scripts** for various needs.
* Worked with the **Debugger Wizard** in debugging the mappings.
* Used **Normalize Transformation** for Cobol (VSAM) sources.
* Worked with **External stored procedures** for data **cleansing** purpose.
* Worked with the **Cognos** team in generating various reports.
* Worked with the **HEDIS** team for reporting.
* Implemented **Informatica Procedures** and **Standards** while developing and testing the Informatica objects.
* Successful in Providing 24x7 **On-call** Support for Production databases.

**Environment:Informatica Power Center 8.6.1,Sybase**, **DB2**, **Flat Files**, **Cobol** (**VSAM**), **Win SQL, FACETS**, **HEDIS**, **Toad**, **Ultra Edit – 32**, **SQL Advantage**, **Control Center**, **Power Designer SQL Modeler**, CDMA, MS-Access, MS-Visio, Cognos, **UNIX**, Windows XP Professional.

**Ceoclone Technologies, Bangalore, India June’09–Dec’10**

**Role: Jr. ETL Developer**

Ceoclone is IT Company founded and operated by highly experienced IT Industry professionals. It offers world-class IT services to Commercial and Government sector clients which includes Small, Medium and Large Scale Industries.

**Responsibilities:**

* Maintained **user roles** and **privileges** at the database level It involved enrolling users, maintaining the **system security, controlling** and **monitoring user access.**
* Involved in designing and developing the database for the business division of Creative Eye at Focus for effectively managing manufacturing processes.
* Designed and developed **database views** and **stored procedures, Packages and Functions.**
* Used SQL to extract the data from the database and also using views on the tables.
* Worked with Development Life Cycle teams in performing the Data Movement.
* Wrote **stored procedures, functions &Packages** and used in many Forms and Reports.
* Wrote database **triggers** for automatic updating the tables and views.
* Designed and developed **forms** and **reports.**
* Involved in the creation of jobs using **Informatica workflow manager** to validate schedule run and monitor jobs using Workflow Monitor.
* Involved in the preparation of documentation for ETL using Informatica standards, procedures and naming conventions.
* Various features of PL/SQL such as Dynamic SQL and parameter passing of PL/SQL tables were evaluated.
* Developed SQL Applications for extracting the data from the Oracle tables.
* Created detailed system design specifications to serve as a guide for system and the program development.
* Wrote triggers and packages by using PL/SQL for giving security privileges.

**Environment:** Informatica **Power Center 7.1.1, Oracle, Reports 25, SQL, PL/SQL, Windows NT, Erwin, UNIX**

**EDUCATION**

Bachelor's degree from Jawaharlal Nehru Technical University, INDIA