**VINIL**

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**PROFESSIONAL SUMMARY:**

* 8+ years of IT experience in the Analysis, Design, Development, Testing and Implementation of business application systems for Health care, Pharmaceutical, Financial and Manufacturing Sectors
* Strong **Data Warehousing ETL** experience of using **Informatica** 9.1/8.6.1/8.5/8.1/7.1 PowerCenter Client tools - Mapping Designer, Repository manager, Workflow Manager/Monitor and Server tools, Informatica Server, Repository Server manager
* Strong expertise in designing and developing **Business Intelligence** solutions in staging, populating Operational Data Store (ODS), Enterprise Data Warehouse (EDW), Data Marts / Decision Support Systems using Informatica Power Center 9.x/8.x/7.x/6.x ETL tool
* Experienced in Repository Configuration/using Transformations, creating **Informatica Mappings**, Mapplets, Sessions, Worklets, Workflows, Processing tasks using Informatica Designer / Workflow Manager to move data from multiple source systems into targets.
* Extensive experience in extraction, transformation and loading of data directly from different heterogeneous source systems like Flat files, XML Files, XML Canonicals, COBOL files, VSAM, IBM DB2 UDB, Excel, Oracle 11g/10g/9i/8i, Sybase, MS SQL Server, Teradata and Netezza.
* Experienced in Installation, Configuration, and Administration of Informatica Power Center 9.x/8.x/7.x
* Experienced in **Performance tuning** of Informatica (sources, mappings, targets and sessions) and tuning the SQL queries
* Experienced in integration and transforming of various data sources from **Databases** like MS Access, Oracle, DB2, SQL Server and formats like flat-files, COBOL files, XML, etc.
* Proficient in creating database objects such as **Stored Procedures, Views, Triggers, User Defined Functions, Cursors, Derived tables, Common Table Expressions (CTE)** and complex queries on Oracle/Microsoft SQL Server platform
* Extensive experience in **Data modelling**/**Dimensional modelling**. Star schema/Snow Flake, Identifying facts and dimensions, Physical and logical Data-modelling using Erwin, SQL data modeler
* Extensive Shell/Bash **scripting** experience. Automating jobs using pmcmd, checking post load accuracies, File management
* Working knowledge with Defect management systems –**Rally, JIRA, TFS**
* Excellent knowledge of all the phases of **Software Development Life Cycle (SDLC)**
* Experience as a **Business Analyst** in all phases of Software Lifecycle Development including requirement gathering and documentation, use casing, Functional Specification and Business case analysis
* Excellent written and verbal communication skills and ability to translate technical concepts into business language and business language to technical requirements

**TECHNICAL SKILLS:**

Data Warehousing Tools - Informatica Power Center 9.1, SSIS, Data Stage

Programming Language - C#, T-SQL.

Database - MS SQL Server, Sybase, MS Access, DB2, Netezza , Oracle Web Technologies - ASP.NET, ADO.NET, HTML, XML.

Software Application & Tools - Microsoft Office, Microsoft Visual Studio, TFS.

Operating Systems - Windows XP,7/10, NT Server, Linux, Unix, Mac.

Reporting - SSRS, COGNOS

Modelling - Erwin, SQL Data Modeller, Visio

Job Scheduling - Autosys, UC4

**PROFESSIONAL EXPERIENCE:**

**Ecolab - NALCO**

**SugarLand TX**

Sr. Informatica Developer Aug 2016 – Current

NALCO water is leading provider of water treatment and process improvements. As an Ecolab company they are global leader in water, hygiene and energy technology and services.

The main objective of this project shared data repository is to capture new vitality customer data, policies, group policies. Data is coming from various sources like SQL Server, Mainframe etx which will be loaded in to EDW based on different frequencies as per the requirement.

* Involved in gathering and analyzing the requirements and preparing business rules.  Develop source to target mapping
* Worked with **Informatica** power center Designer, Workflow Manager, Workflow Monitor and Repository Manager
* Designed and developed complex mappings by using Lookup, Expression, Update, Sequence generator, Aggregator, Router, Stored Procedure, etc.
* Check for appropriate stages of the change record and deploy components like Informatica SHELL's and other objects, SQL Scripts from Databases like SQL Server, Netezza, & Oracle, UNIX shell scripts
* Developed**slowly changing dimensions** like Type 1/2/3 effectively to handle delta Loads for DB2 into SQL server
* Wrote **TSQL, Functions and Procedures** in MS Sql Server to automate data validation and data load process
* Prepared various mappings to load the data into different data layers like Landing, Staging and Target tables
* Developed **Workflows** using task developer, worklet designer, and workflow designer in Workflow manager and monitored the results using workflow monitor
* Modified several of the existing mappings based on the user requirements and maintained existing mappings, sessions and workflows**. Production support** activities
* Tuned the **performance** of mappings by following Informatica best practices and also applied several methods to get best performance by decreasing the run time of workflows
* Analyzed **reporting** requirements and designed BI **Facts/Dimensional** tables using Erwin with keys and partitioning to handle BI load and **query performance**
* Understanding on **report** build/generation using SSRS – Tablix, List and Security reports
* Good understanding of source to target **data mapping** and Business rules associated with the ETL processes
* Extensive Shell Scripting. Automating Informatica jobs using PMCMD

**Environment :**  Informatica 9.1, IBM DB2, SQL server 2008 R2, SQL, Netezza, T-SQL, MS Office and Delimited Flat files

**American Family Insurance**

**Madison, Wisconsin**

Sr.ETL Consultant Mar 2016 – Jul 2016

American Family Insurance is a leading provider of insurance and reinsurance coverage, innovative risk management and financial solutions. As a part of providing coverage American family insurance generate various reports for presenting a comprehensive credit and risk analysis to customers.

The project was designed to develop and maintain Data Marts and we have to upload the data from various centers with the data in different systems using ETL tools.

* Developed **PL/SQL** stored procedure to implement complex business logic and integrate them with the ETL process as pre/post stores procedures
* Worked with **Informatica** power center Designer, Workflow Manager, Workflow Monitor and Repository Manager.
* Handle XML and web service as data source in ETL jobs for **real-time** loads
* Created post-session and pre-session **shell scripts** and mail-notifications
* Created Data Breakpoints and Error Breakpoints for debugging the mappings using Debugger Wizard
* Used various transformations like Stored Procedure, Connected and Unconnected lookups, Update Strategy, Filter transformation, Joiner transformations to implement complex business logic
* Used **Informatica** Workflow Manager to create workflows, database connections, sessions and batches to run the mappings.
* Writing Netezza SQL queries to join or any modifications in the table.
* Coded**Variables and Parameters** driven mappings to pass the values between mappings and sessions
* Wrote**Unix Shell Scripts** for automating data jobs from various source systems to Data Warehouse
* **Performance tuning** by optimizing the sources targets mappings and sessions
* Developed various Test cases and performed post load data validation

**Environment:** Informatica PowerCenter Designer 8.6/8.1, Informatica Repository Manager, Netezza, Oracle10g/9i,DB2 6.1, Toad, Erwin4.x, Unix, Tortoise SVN, Flat files

**Grainger**

**Lake Forest, IL** June 2014 – Feb 2016

Sr.ETLDeveloper

Grainger serves more than 3 million customers worldwide with offerings such as motors, lighting, material handling, fasteners, plumbing, tools and safety supplies along with services like inventory management and technical support. The purpose of this project is to maintain a data warehouse that would enable the home office to take corporate decisions. A decision support system is built to compare and analyze their products with the competitor products and the sale information at territory, district, region and area level.

* Worked with **Informatica** power center Designer, Workflow Manager, Workflow Monitor and Repository Manager
* Interacted with **Data Modelers** and Business Analysts to understand the requirements and the impact of the ETL on the business
* Designed **ETL specification** documents for all the projects. Understand source system and prepare mapping documents
* Designed and developed **complex mappings** by using Lookup, Expression, Update, Sequence generator, Aggregator, Router, Stored Procedure, etc.,
* Created Tables, Keys (Unique and Primary) and Indexes in the SQL server
* Extracted data from Flat files, DB2, SQL and Oracle to build an Operation Data Source. Applied **business logic** to load the data into Global Data Warehouse
* Extensively worked on Facts and **Slowly Changing Dimension** (SCD) tables
* Created sessions, batches for **incremental load** into staging tables and **scheduled** them to run daily
* Used shortcuts to **reuse objects** without creating multiple objects in the repository and inherit changes made to the source automatically
* Designed workflows with many sessions with decision, assignment task, event wait, and event raise tasks, used Informatica scheduler to schedule jobs
* Created **test cases** for unit testing and functional testing.  Validate data against the source system and UAT acceptance
* Coordinated with testing team to make testing team understand Business and transformation rules being used throughout ETL process

**Environment**:Informatica Power center 8.6.1, Oracle 10g, Windows XP, Unix Shell Scripts, Db2, SQL, PL/SQL, Flat files

**FedEx**

**Memphis, TN** Jan 2012 – Apr 2014

ETL Developer

FedEx Corporation is an American multinational courier delivery services company which is known for its overnight shipping service, but also for pioneering company’s original air division. The project which aims in fulfilling FedEx need for reporting to better understand the market trends, behavior, future opportunities and to improve their decision-making process. Coordinating with the business and P&A team to understand the system requirements and then analyzing and designing ETL solutions to accomplish the same.

* Designed Informatica ETL to load data from flat files, which includes fixed-length as well as delimited files and SQL Server to the Data mart on Oracle database
* Used reverse engineering in Erwin 4.x to understand the existing data model of the data warehouse
* Worked with creating Dimensions and Fact tables for the data mart
* Created Informatica mappings, sessions, workflows, etc., for loading fact and dimension tables for data mart presentation layer
* Designed and implemented SCD (Slowly Changing Dimensions) Type I ,II and III for data load
* Did performance tuning of Informatica components for daily and monthly incremental loading tables
* Developed Mapplets, reusable transformations, source and target definitions and mappings using Informatica 8
* Developed mapping using parameters and variables
* Created complex workflows, with multiple sessions, worklets with consecutive or concurrent sessions
* Used Timer, Event Raise, Event Wait, Decisions, and Email tasks in Informatica Workflow Manager
* Used Workflow Manager for creating validating, testing and running sequential and concurrent batches
* Implemented source and target based partitioning for existing workflows in production to improve performance so as to cut back the running time
* Analyzed workflow, session, event and error logs for trouble shooting Informatica ETL process
* Worked with Informatica Debugger to debug the mappings in Informatica Designer
* Involved in creating test plans, test cases to unit test Informatica mappings, sessions and workflows
* Involved in migrating Informatica ETL application and Database objects through various environments such as Development, Testing, UAT and Production environments
* Documented and presented the production/support documents for the components developed when handing-over the application to the production support team

**Environment:** Informatica Power Center 8, Workflow Manager, Workflow Monitor, Erwin , TOAD, PL/SQL, Flat files, XML, Oracle 9i

**Infibeam**

**Ahmedabad, India** Nov 2010 – Nov 2011

ETL Developer

Infibeam is an Indian internet and e-commerce conglomerate involved in online retailing, e-commerce and internet services. Core project focused on designing and implementing scalable solutions that would support the company’s continued dramatic growth, under the corporate data warehouse. Analyze Business requirements and translated them into technical designs.

* Developed data conversion/quality/cleansing rules and executed data cleansing activities such as data

Consolidation and standardization

* Developed, supported and maintained ETL (Extract, Transform and Load) processes using Informatica Power Center 8.5
* Experience in integration of heterogeneous data sources like Oracle, DB2, SQL Server and Flat Files (Fixed& delimited) into Staging Area
* Designed and developed mappings using Source Qualifier, Expression, Lookup, Router, Aggregator, Filter, Sequence Generator, Stored Procedure, Update Strategy, joiner and Rank transformations
* Implemented complex business rules in Informatica Power Center by creating re-usable transformations, and robust Mapplets
* Implemented performance tuning of Sources, Targets, Mappings and Sessions by identifying bottlenecks and used Debugger to debug the complex mappings and fix them
* Improved session performance by enabling incremental aggregation to load incremental data into target table

Worked with Functional team to make sure required data has been extracted and loaded and performed the Unit Testing and fixed the errors to meet the requirements

* Copied/exported/imported mappings/sessions/ worklets /workflows from development to Test Repository and promoted to Production
* Used Session parameters, Mapping variable/parameters and created Parameter files for imparting flexible runs of workflows based on changing variable values
* Worked with Static, Dynamic and Persistent Cache in lookup transformation for better throughput of Sessions.

Used PMCMD command to automate the Power Center sessions and workflows through UNIX.

**Environment:** Informatica, Oracle, Visual Studio, SQL Server 2008, IBM DB2, Unix, Repository Manager, Flat Files

**Techbasil**

**Chennai, India** Apr 2008 – Oct 2010

ETL Developer

Tech Basil is a multi-million-dollar organization having carved a niche for itself as a global software service provider. Specializing in consulting services and offshore software development, the company has successfully implemented many full life cycle projects in a span of 8 years. Core project focused on designing and implementing scalable solutions that would support the company’s continued dramatic growth, under the corporate data warehouse.

* Involved in analyzing and development of the Client Data Warehouse
* Worked on Informatica power center tool - Source Analyzer, Warehouse Designer, Mapping Designer, Mapplets and Transformation Developer
* Created various mappings using Aggregate, Filter, Join, Expression, Lookup, Update Strategy and Router
* Extensively used ETL to load data from different databases and flat files to Oracle
* Involved in the development of Informatica mappings and also tuned them for better performance
* Created and scheduled Sessions and Batches through the Informatica Server Manager
* Worked with sessions and batches using Server Manager to load data into the target database
* Testing for Data Integrity and Consistency post load

**Environment:** Informatica Power Center 8.1, Oracle 8i, SQL, Windows 98/2000, Shell scripts