## Madhav Jasti

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* Over**7 years** of professional IT experience including**5+ years** of Data Warehousing experience using **InformaticaPower Center 9.1/8.x** (Source Analyzer, Target Designer, Mapping Designer, Mapplet Designer, Transformation developer).
* Experience in **ETL** processes. Worked extensively on **data extraction, cleansing/data integration and loading** from different data sources using Informatica.
* Thorough knowledge of **Star & Snowflake** schemas and **data modeling** using **Erwin and Visio**.
* Thorough knowledge of **Data warehouseconcepts** with complete hands-on experience in conceptualizing designing, building, testing and building Enterprise Data Warehouses from multiple source systems using **Informatica Power Center 9.x/8.x.**
* Strong knowledge in **RDBMS** concepts and extensive experience in creation, maintenance of Tables, Stored Procedures & Functions using **SQL.**
* Ability to write complex SQLs, PL/SQLs, Packages, Stored Procedures needed for ETL jobs and analyzing data, and is proficient and worked with databases like **Oracle 11g/10g/9i/8x/7x, DB2/AIX64 9.5.3, SQL Server 2008/2005/2000/7.0/6.5 and MS Access**.
* Extensive Shell scripting experience for scheduling, Process Automation and periodic job scheduling.
* Experience in creating Ad-hoc reports, data driven subscription reports by using **Business Objectsand Crystal Reports**
* Experienced in Performance Tuning of sources, targets, mappings, transformations and sessions.
* Familiar with **Agile project methodologies, Daily SCRUM** and continues integration models
* Experience across all phases of the **SDLC** from project initiation to post-implementation
* Involved in all activities related to the **development, implementation, and Testing** and **Production support** of ETL processes for large-scale data warehouses using **InformaticaPower Center.**
* Proficient in**Development, Testing, Debugging, Implementation, Documentation, End-user training and Production support.**
* Extensive knowledge of various domains such as **Banking, Finance, Insurance, Crowdfunding** and **Healthcare**

**Technical Skill Set**

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| --- | --- |
| **ETL Tools** | Informatica Power Center 9.x/8.x, Informatica Data Quality |
| **Databases** | SQL Server 2005/2008R2/2012, Oracle9i/10g/11g, MySQL 5.5/5.6, DB2 10.5 |
| **Data Modeling Tools** | Visio, Erwin, Rational Rose |
| **Reporting Tools** | Business Objects 4.0, Crystal Reports 10 |
| **Analysis** |  Business Objects 4.0 |
| **Scripting Language** |  T-SQL, PL/SQL, Shell Scripting, Java ,C, HTML |
| **Other Tools** | Rapid SQL, QMF for DB2, Toad 10.5.1.3, SQL \*Plus, SQL Loader, Tidal Enterprise Scheduler, ESP Job Scheduler, Control M Scheduler, Autosys |
| **Operating systems** | Windows Server 2003/2008/2012, Linux |

**Projects**

* **Client: PowerWellness, Pittsburgh, PA**

**Position: Sr. ETL Developer**

**Duration: 03/2014 to till now**

**Summary**:Power Wellness provides design, construction, and operations management services customized for medically integrated centers, commercial fitness centers, and university or community fitness facilities.This project involves reading an electronic medical record which is in HL7 format, extract data into database and generate an output HL7 file after certain operations. It also involvesextracting data from various sources into SQL Server 2008 R2 target.

Roles & Responsibilities:

* Worked with ETL Architect in developing various application as per the business requirements.
* Closely worked with data managers in understanding the data requirements for newly set up trails.
* Participated in build of the **Data Warehouse,** which includes theDesign of **Data mart** using **Star Schema.**
* Created ETL Requirements documents, ETL Design Documents, and Mapping Design Specifications, data cleansing and transformation rules
* Used **Informatica Data Quality(IDQ)** for cleansing the data and making the data viable for ETL process.
* Experienced in handling **XML sources and** developed several complex mappings using XML sources.
* Developed mappings with heterogenous sources such as Oracle/SQL Server tables or sequential/XML files.
* Designed and developed Informtica mappings / Tidal scheduling jobs in such a way that code can be reused, which inturn reduces the code maintainance.
* Extracted data form flat files and oracle database, **applied business logic** to load them in the central oracle database.
* Experienced in creating Jobs in **Tidal Enterprise Scheduler** for scheduling FTP/File Processing/Informatica Jobs.
* Documented Unit Test documents after thoroughly performed the unit test cases.
* Responsible for day to day production/Testing support for various projects such as **TRLCENTRAL, HCVRNA, CTGOV** and their enhancements.

**Environment: Informatica Power Center 9.1, Informatica Data Quality, Oracle 11g/10g, SQL Server 2008, SQL, Toad 10.5, Sequential/XML files, UNIX, Tidal Enterprise Scheduler 5.3.1**

* **Project: Mystudypartner.com, Des Moines, IA**

**Position: Sr. ETL Developer**

**Duration: 04/2013 to 02/2014**

**Summary**:My Study Partner is designed to help people connect with each other. This site enables the visitor to search for, and find people across the world to study effectively with them. It enables visitors to sign up for free, select study partners, create groups and invite others to join the group for studying and knowledge sharing.

Roles & Responsibilities:

* Worked closely **with ETL Architects** in developing the **Technical Specifications** from business requirements documents.
* Developed various **Mappings,Mapplets, and Transformations** for data marts and Data warehouse.
* **Re-designed ETL mappings** to improve data quality.
* Created **Stored procedure transformations** to populate targets based on business requirements.
* Analyzed and Created Facts and Dimension Tables.
* Used Informatica features to implement **Type I, II** in slowly changing dimension tables.
* Created **Data Breakpoints** and **Error Breakpoints** for debugging the mappings using **Debugger Wizard**.
* Mapplets and Reusable Transformations were used to prevent redundancy of transformation usage and modularity.
* Worked on enhancement projects by incorporating the new logic to the existing system, which reduced the additional development.
* Created PL/SQL packages, Stored Procedures and Triggers for data transformation on the data warehouse
* Extensively used **SQL over rides** in **source qualifier** and **Look up transformations** and tuned for optimal performance.
* Implemented **Push down optimization**technique to push the logic to Database server for achieving **optimum performance**
* Extensively used **mapping parameters** and **variables** in Mappings/Sessions for re-usability
* Within specified time, projects are delivered making sure all the requirements gathering, business analysis and designing of the data marts.
* Involved in **Unit and Integration testing** of Mappings.
* Worked closely with **testing team** in analyzing the **defects, solving**and **closing** them by tracking the defects using **HP Quality Center.**

**Environment: Informatica Power Center 9.1, Oracle 10g/11g, SQL, Toad 9.0.1, Sequential files, Windows XP SP3, HP Quality Center, Unix**

* **Project: Spotcrowd, Pittsburgh, PA**

**Position: ETL Developer**

**Duration: 06/2012 to 04/2013**

**Summary**:Spotcrowd Projects is an online community for start-up users, project owners, investors, service providers, platform owners and broker dealers. This website provides many decision-making tools, which ignites crowd funding and investors tonew ideas.

Roles & Responsibilities:

* Worked with ETL Architects in developing the Technical Specifications Document from business requirements documents.
* Worked with DBA’s for Database changes related to PDC according to the business requirements.
* Involved in migration and enhancement of EDW from BIW2.0
* Developed ETL mappings and mapplets to populate data from existing BIW2.0 to EDW
* Extensively used SQL override queries in Source Qualifier & Lookup transformations and tuned for optimal performance**.**
* Extensively used mapping parameters and variables in mappings for re-usability
* Developed Type I and Type II slowly changing dimensions.
* Interacted with the testing team in analyzing the defects, solving and closing them using HP Quality Center
* Implemented Pushdown Optimization technique to push the logic to Database server for achieving optimum performance
* Created move forms in order to move the code from Development to Test/Production

**Environment: Informatica 8.6.1, Oracle 10g, Toad 9.5, Windows XP and UNIX**

* **Client: Business Intelligenze, Boston, MA**

**Position: ETL Developer**

**Duration:11/2011 to 05/2012**

**Summary**:BusinessIntelligenzeare SaaS provider of Business Intelligence &Analytics solutions to companies that outsource their non-Core processes with complete solution set for their business needs, helps decision-makers carry out BI delivered as Service in a sustainable, competitive & advantageous way with a very high operational focus

Roles & Responsibilities:

* Responsible for **Business Analysis** and **Requirements Collection.**
* Worked closely with end users and business analysts for requirement gathering and analysis.
* Responsible for **data analysis**.
* Design the **Data Mart** model with **Erwin** using Star Schema methodology.
* Extracted data from various internal systems which comprises of details of HR, Project, Time, Trade, Expense, Banker statements and compliance.
* Extracted from various external sources which comprises of details of deals, mergers and acquisition, Securities, bonds and instruments.
* Parsing high-level design spec to simple ETL coding and mapping standards.
* Designed Logical flowcharts, sequence diagrams, state diagrams, data flow diagrams and screen decks.
* Research Sources and identify necessary Business Components for Analysis.
* Worked on Dimensional modeling to design and develop Star schemas by identifying the facts and dimension.
* Worked on **Dimension/Fact tables** to implement the business rules and get required results.
* Developed **Informatica Mappings, Mapplets, Sessions** and **Workflows** as per client’s standards.
* Prepared **design specifications** for **Informatica mappings**.
* Created PL/SQL packages, Stored Procedures and Triggers for data transformation on the data warehouse
* **Tuning**Informatica Mappings and Sessions for **optimum performance**.
* Designed data models for the investment bank data system using ERWin data modeler and Oracle 9i.
* Developed **shell scripts** for **data retrieval** and **ETL processes**.
* Developed and scheduled Autosys jobs by creating and deploying different JIL files.

**Environment: InformaticaPowerCenter 8.6.1, Oracle 9i, SQL, PL/SQL, Autosys, Clearcase, ERWin 4.0, Windows, UNIX**

* **Client: Kraft Foods, Northfield, IL**

**Position: ETL Developer**

**Duration:02/2011 to 10/2011**

**Summary**:Kraft is a global leader in retail and food products. We have worked for one of their client providing automated system to transfer data from Oracle system to SQL Server 2008 and to Data Warehouse using SSIS.

Roles & Responsibilities:

* Setting up Informatica environment, Integration and repository services for InformaticaPowerCenter8.x /7.x
* Administering Informatica patches, emergency bug fixes.
* Experience in Informatica code migration process
* Troubleshooting platform issues in all environments.
* Experience in Informatica repository trouble shooting
* Experience in managing users/groups and repository security in Informatica
* Creating and managing Informatica subject area/project folders
* Creating shared folder structure for sources and targets as necessary
* Defining and creating the necessary relational connections as needed by developers
* Experience in using pmcmd, infasetup and other PowerCenter utilities.
* Actively participated in ETL/Informatica code design and reviews.
* Setup Informatica Competency Center by defining documentation for ETL Process at NTT Data.
* Actively involved in account related activities.

**Environment: Informatica 8.6.1, Oracle 10g, Toad 9.5, Windows XP and UNIX**

* **Client: Digital Insight, Athens, GA**

**Position: ETL Developer**

**Duration:01/2010 to 02/2011**

**Summary**:Digital Insightis a largest provider of online financial management solutions. They were maintaining their financial data in Tally over the years. The project involved extracting the data from embedded database and loading it into SQL Server.

Roles & Responsibilities:

* Worked with ETL Architects in developing the Technical Specifications Document from business requirements documents.
* Worked with DBA’s for Database changes related to PDC according to the business requirements.
* Involved in migration and enhancement of EDW from BIW2.0
* Developed ETL mappings and mapplets to populate data from existing BIW2.0 to EDW
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**Environment: Informatica 8.6.1, Oracle 10g, Toad 9.5, Windows XP and UNIX**

* **Client: Corporate Computer Solutions, Tampa, FL**

**Position: ETL Developer**

**Duration: 06/2008 to 12/2009**

**Summary**: This Project is used to develop a tool to manage and tune search advertising campaigns with simplest. Using this tool customer can create and manage all their campaigns in one view, across all major search engines. Immediately act on real-time recommendation alerts from over 20 propriety algorithms, monitoring and identifying opportunities for their campaigns.

Roles & Responsibilities:

* Involved in the process of creating software requirement documents and business requirement documents to have a better understanding of the system on both technical and business perspectives
* Involved in all facets of software development life cycle(SDLC)
* Used Oracle, Flat Files, and XML files as sources and Oracle as target database.
* Developed Dimensions & Facts by implementing the ETL logic using Informatica.
* Created Database Triggers instead of Sequence Generator to improve the performance.
* Configured sessions to use file list for XML and flat files.
* Configured command task to Invoke shell scripts using PMCMD commands.
* Created Indexes and function based indexes on tables that are using in query joins to optimize the query execution time.
* Involved in unit testing, volume testing and also developed test cases.
* Developed Integration testing plans by creating worklets and workflows.
* Involved in migrating code to UAT and PROD environments.
* Scheduled the server jobs using Informatica, which controlled by Informatica engine and also for monitoring and performance statistics of each stage.

**Environment: Informatica 8.6.1/8.1.1, Oracle 10g, Flat Files, XML files, Toad 9.5**

* **Client: SEW Infrastructure Ltd, Hyderabad, India**

**Position: Developer**

**Duration: 08/2007 to 05/2008**

**Summary:** This system is used to perform Policy Formulating, claiming process. The console application, which is part of this system, does the month-end and the day end process apart from performing regular data. The main purpose of the project is to perform Extraction, Transforming and Loading into Oracle target using Informatica.

Roles & Responsibilities:

* Analyzed Oracle PL/SQL packages and converting them into Functional and Technical Specifications
* Designed and developed ETL load strategy to populate the Data Warehouse from Oracle and Flat Files.
* Developed mapping for optimal performance using Aggregator, Joiner, Sequence Generator, Lookup, Update Strategy, Router Transformations.
* Used update strategy and target load plans to load data into Type -2 /Type -1 dimensions
* Configured tasks, workflows using workflow manager
* Tuned the sessions for better performance by eliminating performance bottlenecks
* Involved in Informatica Code management and migration.
* Adapted the Informatica Velocity Methodology for design standards and migrating the code

**Environment: Informatica 8.6.1, Oracle 11g/10g, Toad 9.6.1, Appworx**