

# JESSICA CLAIRE

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## CAREER OVERVIEW

Disciplined, Committed, Highly-Motivated, Focused and Service-Driven ETL/Data warehousing Architect/ Developer/Analyst offering 10+ years of IT experience with a track record of executing diverse facets of Data-warehousing & related Enterprise wide technologies in various industries like Financial services, Supply Chain, Consumer and Application development for both operational and decision support systems.

## QUALIFICATIONS

- Informatica PowerCenter/PowerMart 9.x, 8.x, 7.x), Oracle (O.E.M.) 9i/8i/7.x, MS SQL Server 2000/7.0/2005 (SSIS/SSRS/ SSAS), Business Objects 5.x/4.x/XI R2/R3.1 (Business Objects, Designer, Supervisor, Business Query, Business Miner, InfoView), Ab Initio, Oracle Warehouse builder.
- Extensive implementation of OLAP - Data Warehouse technologies using MS Analysis services (OLAP services, MDX), DTS, Oracle PL/SQL and through knowledge of database management concepts like conceptual, logical and physical data modeling and data definition, population and manipulation.
- Data modeling experience retaining concepts of RDBMS, OODBMS, ORDBMS and Multi Dimensional Data Modeling schema - MDDDBMS (Star Join Schema, Snow-Flake Modeling, Facts and Dimensions, Data cubes).
- TECHNICAL SUMMARY
- ETL/ETL Tools: Informatica-PowerCenter (9.x/8.x/7.x), Power exchange, Power connect, Ab initio, SQL\*Plus, SQL\* Loader, ODBC, JDBC-ODBC Oracle Warehouse Builder, Microsoft Sql server (2000,2005,2008) -DTS/SSIS/SSRS/SSAS , CA (InfoPump/ Data Transformer), Pentaho, Business objects data Integrator (BODI).
- Analysis/Reporting Tools: Business Objects , Business Objects (Crystal reports XI), Microsoft Analysis Services, MS SQL server 2005 SSIS,SSAS,SSRS services, Oracle OLAP, Oracle Discoverer, Oracle Reports, and COGNOS.
- RDBMS: MS-SQL Server (retaining DTS, BCP), Oracle 8.x/ 9i/ 10g, Oracle Enterprise Manager (O.E.M.), MS-Access, IBM-DB2 UDB
- Data-Modeling: Visio, Developer 2000, AS Discoverer, Designer 2000, DB Artisan, VERITAS, Oracle Warehouse Builder, Informatica PowerCenter/PowerMart 6.2, Business Objects 5.0, All-Fusion ER win, Toad, COGNOS
- Data-Mining: Business Miner, Business Query (Business Objects), PolyAnalyst 4.6 (Text Analyst & web Analyst), SAS (Base and EM-Enterprise Miner), KDD Suite (Knowledge Discovery in DataBase), Machine Learning and Self Organizing Feature Maps.
- Scripting: ASP, VBScript, JSP, JavaScript, Perl, PHP and CGI
- Languages: Java, C, C++, Pascal, PERL, Fortran, COBOL, SQL, T-SQL, PL/SQL, SQLJ, HTML, XHTML, DIHTML, XML, DTD, XSL, CSS Java Script , VB Script, ASP 2.2, JSP
- Operating Systems: HP/UX, Sun Solaris UNIX, Red Hat LINUX, Windows XP/NT/98/95.

## TECHNICAL SKILLS

## ACCOMPLISHMENTS

## WORK EXPERIENCE

### Senior ETL Architect/Developer, 04/2014 - Current

#### Bank Of Tokyo Mitsubishi BTMU – City, STATE

- As part of the SOA/DWH team, Have been working extensively on a major Core Banking initiative to replace legacy source systems which currently furnish the data needs of the bank's data regarding the Deals made by the bank like Money Market, Deposits, Forex, Swaps, Trade Finance, Commitments and Loans.
- Deals are primarily commercial Bank Instruments) Have been instrumental in Logical / Physical data modeling of Control database, Ref Data structures, Staging area for Data Cleansing and The Standard Layout tier for Data transformation.
- Have also played a significant role in Dimensional data modeling Of the Banks EDM (Enterprise Data marts).
- As part of the SOA team's AML/Compliance initiative have successfully implemented the capture of Client Movement and intra-day transactional activity.
- Designed ETL workflows/sessions/mappings for the daily data needs of Core Bank's DWH.
- Designed and developed a Change data capture network for Source data Acquisition from various Internal and external data sources (Flat file, Data base, XML, and Web application interfaces).
- Worked on performance tuning of the existing ETL framework.
- Scheduled and Monitored workflows on the TIDAL server.
- Worked closely with the Business users, DMD (Data management Division), SME group (Subject matter expert) and the DBAs in modeling a Presentation layer for Outbound feeds and Reports.
- Designed and deployed highly customizable reporting views from the EDW & EDM to meet differing client needs individually.
- Technologies/Tools: DB2 UDB, Oracle 10g, ODBC, Informatica 8.6/9.1/, TIDAL, Unix (AIX), Sap Business Objects 4.1, Qlikview.

### Senior ETL Architect/Developer, 06/2010 - 02/2013

#### Barclays Wealth – City, STATE

- As part of Wealth Management Reporting Team, Have worked on providing Investment Representatives with consolidated performance reporting for their High-Net worth (HNW) clients.
- Was instrumental in Logical / Physical data modeling of the Shared data services (FCISDS) to house Firms ReffData for all legal entities from Barclays wealth and Legacy Lehman.
- Have also played a significant role in Dimensional data modeling for Data consolidation WMR core system.
- As part of the CDM team's FINRA 2111 initiative have successfully implemented capture of Client suitability data for Investment profiles.
- Designing Informatica workflows/sessions/mappings for the daily data needs for the WMR (Wealth management Reporting) online application.
- Designed and developed a Change data capture network for Source data Acquisition from various Internal and external data sources (Flat file, Data base, XML, and Web application interfaces).
- Working on performance tuning of the existing ETL framework for the firm's Investment catalog application(IC) based in BWA and EMEA.
- Scheduled and Monitored workflows on the server using shell scripts (K-shell) and Autosys.
- Worked closely with the Business users, RTB and the DBAs in modeling a Schema for Strategy-level performance reporting.
- Designed and deployed highly customizable reporting views from the ODR to meet differing client needs individually.
- Written Unix shells scripts and SQL-stored procedures to Significantly improved performance data quality Technologies/Tools: DB2 UDB, Oracle 10g, ODBC, Informatica 8.6/9.1, Autosys, Unix (AIX), Java (JRE) 1.6.0.20, Jira 4.0, Mercury Quality Center, SVN, Perforce, Service Now.

### Senior ETL DW Architect/Developer, 08/2009 - 05/2010

#### Morgan Stanley – City, STATE

- Was Instrumental in designing the data model for a brand new application called the depth-charts for the firm's Metrics division (ISG operations).
- Extensively used All Fusion-ERwin for Logical / Physical data modeling (Transactional app).
- DB) and Dimensional data modeling for Learning Management systems & Talent Directory Data warehouses.
- Designing Informatica workflows/sessions/mappings for the daily data needs for the Depth charts online application.
- Designing a Change data capture network with a threshold check for the department which was used across Source data extraction processes for various applications (Talent Directory, Learning Management, Depthcharts).
- Working on performance tuning of the existing ETL framework for the firms Learning and management system (LMS).
- Scheduled and Monitored workflows on the server using shell scripts (K-shell) and Autosys JIL scripts and Netcool Alerts.
- Working on Java programs to handle services (calls) between the DB2 UDB online database (back-end) and Adobe Flex front end.
- The Service calls would parse the respective XML responses from the User or DB and would perform the needed Data manipulation.
- Working on Java Programs to connect to the Talent directory URLs and extract the Organization roll-up in XML format which were later de-normalized and published to the ISG metrics data warehouse.
- Use the in-built Replication and also CDC (change tracking approach) of the Sybase database for source data acquisition.
- Involved in building database maintenance stored procedures for the LMS online application (PL/SQL).
- Interacted with Management and the end-users to identify key Dimensions and Measures for business performance.
- Play a significant role in identifying the data needs for migrating the legacy smith barney student/supervisor portfolio from "citi" to the firms Talent Directory and the Firm's Learning application (Plateau) Created a Universe using Business Objects Designer, applied contexts and aliases to resolve cyclic dependencies and loops for the enhanced learning management systems data warehouse.
- Have worked Closely in training the End-users on how to use the canned Reports (using prompts) for User that were new to WEBI and had been using DESKI (As part of migrating all the reports from DESKI to WEBI) Technologies/Tools: Sybase 15.X(ASE), DB2 UDB ,Oracle 10g, ODBC, Informatica 8.6/7.3.1, Business Objects XI R3, Autosys, Unix (AIX), Java (JRE) 1.6.0.20, Jira 4.0, Mercury Quality Center, SVN, Perforce, Service Now.

### Senior ETL DW Architect/Developer, 08/2009 - 05/2010

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### ETL DW Analyst/Lead Developer, 02/2009 - 07/2009

#### T-Mobile Corporation – City, STATE

- Extensively used All Fusion-ERwin for Logical / Physical data modeling and Dimensional data modeling, and designed Star join schemas for the National Data warehouse from the highly normalized insite source application (Core site data for the T-mobile towers) Have worked on complex Informatica mappings/mapplets/transformations for loading the data into targets using various transformations like Source Qualifier, Joiner transformation, Update Strategy, Lookup transformation, Rank Transformations, Expressions, Aggregator, and Sequence Generator.
- Created reusable transformations and mapplets to use the transformation logic in multiple mappings.
- Worked on Repository manager to create and manage user profiles.
- Scheduled workflows on the server using shell scripts(K-shell) Implemented performance tuning logic on targets, sources, mappings, sessions to provide maximum efficiency and performance.
- Have used the in-built Replication and also CDC (change tracking approach) of the sql sever database for source data acquisition (The primary sources for the warehouse were sql server instances).
- Involved in fine tuning queries for better performance ( includes indexing and pre-joining and materializing views) Interacted with Management to identify key Dimensions and Measures for business performance.
- Created reports using Crystal Reports XI.
- Created views and altered some of the dimensional tables to satisfy their reporting needs.
- Created Universes using Business Objects Designer, applied contexts and aliases to resolve cyclic dependencies and loops.
- Created reports like, Reports by site, Reports by Functional area, Reports by task, Demographic reports and Comparative reports.
- Used Polyanalyst 4.6 as a Mining tool to extract existing business rules and possible performance enhancers in case of cost savings, department and supplier wise purchase history.
- Technologies/Tools: SQLserver 2005/2008, Oracle 10g, ODBC, Informatica 8.6/7.1.4, Business Objects XI R2, IBM AS/400, DB2 9.1 UDB, SQLserver 2005(SSAS,SSIS), Appworx scheduler, Trillium, Unix(AIX), MFX/Fairfax (Fairfax Financial Holdings Limited).

### ETL Development Lead/Associate, 07/2006 - 04/2007

#### MFX/Fairfax – City, STATE

- Have independently worked on a brand new application called the (Large Property to Wins.).
- Oracle source to IBM AS/400, DB2 target systems.
- Played a Vital role in the Analysis and Design phases of the Large Property premium corrections process.
- Have individually designed the source to target mapping specifications to push data from the online Policy transactional system to the PFE.
- PFE which is a DB2 Policy front end.
- Have worked with a large Team of developers with an approach towards Standardization, Reusability, and Scalability of the ETL framework.
- Have laid out the core standards of implementation for the WINS policy systems.
- Performed source identification and mapping of the source to target with utmost care and frequent discussions with the Business systems Architect.
- Have Developed Technical specification for the overall ETL process for pushing the data to the target systems.
- Developed a standard ETL framework to enable the sharing of similar logic across the board.
- Developed generic and well-tuned Informatica mappings, which performed the needed ETL on the back-end.
- Have extensively used transformations like joiner, expression, aggregator, union, update strategy, filters, lookup, stored procedures e.t.c to accomplish the needed transformation of the source data.
- Developed PL/SQL, T-SQL, SQL routines to handle some of the transformation rules, which were later on embedded into the mappings as stored procedure calls.
- Developed Shell scripts on top of SQL blocks, Stored procedures and Deployed Workflows as wrapper scripts.
- Maintained documentation for all the phases of the project (S.O.N, Functional, and Technical specifications, Process Flow, Data Flow Source to target Mapping specifications, Application support guides) Technologies/Tools: Oracle 9i r2, ODBC, AIX 5.x, Test Director 7.6, Informatica 8.1.1, Business Objects XI R2, IBM AS/400, DB2 9.1 UDB, SQLserver 2005, SSIS, OLAP service, Detail Striva, Infopump (Data Transformer), Autosys.

### Sr. ETL BI Analyst /Data warehousing programmer, 04/2007 - 11/2008

#### Cablevision Systems Corporation – City, STATE

- Played the role of a senior ETL architect of the FDR (Federated data Repository) team here at cablevision corp.
- Was responsible for Analysis and Design phases for housing application specific data in the warehouse for downstream reporting needs.
- Was Involved in the using Informatica Powercenter as an ETL approach to house the historic Cable data and Inventory (receiver, converter, modem repair data) from third party vendors into the in-house CDR (central data repository).
- A need for high performance being the driver in the approach.
- Have worked with the data modeling team to ensure that the development provides the exact scope of the requirement.
- Have designed the source to target mapping specifications to push data from the external vendor sites to the in-house CDC, CDR and IM1 Instances.
- Have laid out Technical specifications for the overall ETL processes for pushing the data to the target systems.
- Played a significant role in Technology/ Methodology selection for numerous implementations.
- Was instrumental the migration of the Informatica tool set from version 7.1.4 to 8.6 Developed a standard ETL framework/Methodology to enable the sharing of similar logic across the board.
- Developed a standard API to generate AUDIT META DATA Reports from the Informatica repository on various ETL runs on a day by day basis.
- Developed generic and well-tuned Informatica mappings, which performed the needed ETL on the back-end.
- Have extensively used transformations like joiner, expression, aggregator, union, update strategy, filters, lookup, and stored procedures e.t.c to accomplish the needed transformation of the source data.
- Developed PL/SQL routines/packages to handle some of the transformation rules, which were later on embedded into the mappings as stored procedure calls.
- Developed Shell scripts on top of SQL blocks, Stored procedures and Deployed Workflows as wrapper scripts.

### ETL Development Lead/Associate, 07/2006 - 04/2007

#### J P Morgan Chase – City, STATE

- Have single handedly designing the data model for a brand new application called the depth-charts for the firm's Metrics division (ISG operations).
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### Sr.ETL BI Analyst, 2005 - 07/2006

#### J P Morgan Chase – City, STATE

- Card Datawarehouse Post JPMC-BankOne Merger) Developed a brand new application called the ADM (AUTH DATA MARTS) right from the stage when the idea was conceived.
- Performed Analysis and Design of the ADM with the Business system analysts.
- Played vital role in the Analysis and Design phases of the ADM with the Business system analysts.
- Performed source identification and mapping of the source to target with utmost care and frequent discussions with the Business systems Architect.
- Developed generic and well-tuned Informatica workflows, which performed the needed ETL on the back-end.
- Have extensively used transformations like joiner, expression, aggregator, union, update strategy, filters, lookup, stored procedures e.t.c to accomplish the needed transformation of the source data.
- Developed PL/SQL routines/packages to handle some of the transformation rules, which were later on embedded into the mappings as stored procedure calls.
- Developed Shell scripts on top of PL/SQL blocks, Stored procedures and Deployed Workflows as wrappers.
- Understood the existing reporting needs of the business and helped the BO team in designing their high performance queries (Canned and Ad hoc) to pull reports out of Credit Risk/Fraud databases.
- Played a significant role in identifying the data needs for migrating the legacy smith barney student/supervisor portfolio from "citi" to the firms Talent Directory and the Firm's Learning application (Plateau) Created a Universe using Business Objects Designer, applied contexts and aliases to resolve cyclic dependencies and loops for the enhanced learning management systems data warehouse.
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### Oracle/Informatica Developer/Data Warehouse Developer, 06/2003 - 10/2004

#### Merrill Lynch – City, STATE

- Team member of the Merrill Lynch's Financial Globalization initiative (FGI) team and a significant part of the GL-Outbound team.
- Involved in building a Globalized Database Repository on an Oracle environment, primarily called, the FGI-GL (FGI-General ledger).
- Involved in analyzing the functional specifications, interacting with the end-users and designing corresponding technical specifications.
- Used Informatica client tools (Source analyzer, Warehouse Builder, Transformation Developer, Mapping Designer, Mapplet Designer) to create source/target definitions, mappings and sessions to extract, transform and load data into staging tables from various sources (flat file feeds from Australia, EMEA and Singapore) Used the Informatica server to run the workflows in the processes for extracting, cleansing, transforming, integrating and loading data into data warehouse database (Oracle GL interface).
- Worked on programs for scheduling workflow tasks (sessions) for transforming and loading source data.
- Designed PL/SQL procedures (packaged) for extraction of balances and transactions from corporate entities to feed the firm's FDB (Financial Database), which is an OLAP systems enabling Reporting and analysis on the front end.
- Involved in performance testing on the workflows and PL/SQL procedures that have gone live on to UAT (user acceptance testing phase) and to Production.
- Also involved in interactions with the batch scheduling team and the Autosys team, who scheduled most of the processes on the Remote UNIX Box.

## EDUCATION AND TRAINING

### Masters: Computer Science, 2003

#### University Of Louisiana - Lafayette, Louisiana

### Computer Science

### Bachelors: Technology, 1999

#### Osmania University College of Technology - Hyderabad, Andhra Pradesh