**Professional Summary:**

* **20 years of IT Experience** in Data Modeling, Data Architecture, Data Analysis, Data Migration, DBA, Development, Testing, Process definition/ Implementation
* Conducted **JAD sessions** to discuss about business requirements, business process, and data model review
* **Analysis of business requirements**, CRs, RTM and discussing the same with SMEs
* Analysis of source systems and databases to **verify the requirements and to identify the quality and pattern of source data.**
* Expertise in creating environment for building Quality Data Model by defining **Naming Standard, Domains,** Modeling Templates and Data Dictionary.
* Creation of Conceptual, Logical model and review the same with SMEs and project team
* Creation of Physical data models and review the same with DBA and explain the same to development team
* Creation of DDL and execute the same in Dev and work with DBA to execute the same in other environments.
* **Merging** of data models and Ensure different environments are in sync with Data model.
* Creation of **standards, procedures, policies for data modeling**
* Creation of Business and Data Flow diagrams
* **Designing data models for OLTP, MDM, Data Mart and DW applications.**
* Experienced in **designing staging data models** for data integration and creation of source system models using **reverse engineering** of data bases.
* Experienced in **Data Integration Architecture** for ODS, MDM, Data Mart and DW.
* Worked with SAs on **ETL Design and mapping artifacts** and worked with SMEs on resolving data related issues.
* Worked with ETL developers on **performance tuning of critical queries.**
* Developed back end programs such **as procedures, triggers, packages**.
* **Prototyping of critical solutions** to demonstrate the possible solution to the client
* Good in analyzing problems and providing creative solutions for the same
* Experienced in **adhering/defining CMM, ISO 9001, Agile, ISO 9001** process.
* Experienced in **Performance Tuning** and establishing Indexing, clustering, Partitioning and SQL optimization strategies.
* Installing and maintaining **Oracle, Erwin Model Mart and other tools**
* **Support for business, development and test teams** during design, development, testing and support phases of the project
* Creation and maintenance of **meta data management**
* **Defining and monitoring of different metrics**
* Worked on Banking, Insurance, Manufacturing, Retail, Government, GIS, Telecom, Supply Chain domains

**PROFESSIONAL EXPERIENCE:**

**Data Modeler, Wells Fargo, Charlotte, NC Since July 2015**

**Counter Party Credit Risk Management System (CoRS)**

Wells Fargo currently uses Adaptive Application to manage the Counter Party Risk and CoRS is developed to replace the Adaptive. Adaptive gets feed from 47 SORs and CoRS will have Portal and backend DRM and DCoE engines to calculate the aggregation and risks.

**Responsibilities:**

* Discussion with SMEs, legacy system gurus on different SORs, business requirements
* Understanding & Analysis of Portal/ DRM/ DCoE/ Reporting requirements
* Requirement gathering and analysis. Preparation of Business and system requirements.
* Creation of Conceptual model and review the same with Business
* Creation of Logical model after due analysis of data profiling results of SORs, Adaptive, SOR Deconstruction artifacts, Portal/ DRM/ DCoE/ Reporting requirements
* Review the Logical data model, data profiling results with the Business, project team
* Create the Physical data model and provide the DDL to DBA
* Merging of different subject area data model worked by different data modelers
* Creation and maintenance of Domains and NSM
* Create definition for all data elements in order to create data dictionary
* Ensured different environments are in sync with data models
* Explain the data model to developers and BAs for creating mapping docs for ETL, Portal, DCoE, DRM teams
* Created model for Core, History and Reporting (Dimensional) model
* Normalization, De-Normalization and creation of Indexes
* Created work flow diagram, system integration diagram and data flow diagram
* Worked on CRs and maintaining CR artifacts
* Created mapping document for ETL between SORs and CoRS DBs as well as for CoRS Reporting

**Environment:** SQL Server 2014, Oracle 11g, Ab Initio, ERwin Data Modeler 9.5, ERwin Mart Admin, Jira

**Data Modeler, Western Union, Denver, CO May 2014 To June 2015**

**Agent Information Management (AIM):**

Legacy system ACM which is used to manage Agent master data was developed based on settlement requirement and I am involved in designing the new system which will be based on ER model and the same will be implemented in Salesforce. ACM gets the data from different systems and feeds to 40 downstream systems. Different business groups have many issues with ACM and WU like to replace the ACM. AIM will be implemented using Salesforce.

**Responsibilities:**

* Understanding of WU business and analysis of existing legacy systems
* Involved in requirement gathering, business understanding JAD sessions along with BA
* Analysis of Legacy systems and understanding of existing data
* **Designed the new data model for AIM and AIM will be system of record (SOR) for agent master profile data**
* **Created conceptual, logical models and provided assistance to implement the same in salesforce.**
* Review of conceptual, logical model with different business groups and incorporate the feedback
* Creation of Data Flow Diagrams (DFD)
* Development of ETL architecture for integrating data between salesforce, legacy systems such as ACM, iWATCH, WUAMS
* Working with System Analysts for source to target mapping and transformation rules.
* **Reverse Engineering (RE) of different legacy systems using ERwin Data Modeler and ERwin Safyr option for ERP for Sales Force**
* **Development of WU Glossary, Naming standard docs with the help of WU SME’s.**
* **Development and management of AIM Data model, data dictionary and meta data management**
* **Identification of data issues and providing solution to the fix the same**
* Management and identification of differences of the SF objects from time to time
* Created XSD, mapping of XML messages
* Generated Data Dictionary, ERDs and publish the same for developers and other users
* Installation and configuration of Erwin Workgroup and Safyr
* Creation of current State, future State architecture diagrams
* Identification and evaluation of appropriate tools.

**Environment:** Sales Force, Oracle 11g, SQL Server, DB2, Data Stage, TIBCO, Safyr for ERP, ERwin Data Modeler 9.5, ERwin Mart Admin, AWS

**Data Modeler, CGI/ Cigna, PA Feb 2013 to Apr 2014**

**SRO Sunset**

Cigna’s claim processing application SRO is replaced with Fineos. As part of the Fineos implementation, Cigna is developing new ODS and Data marts. Data feeds from Fineos to all the downstream legacy system needs to be ensured. Data is integrated from Fineos, Acclaim, GADB, Acenza source systems. Data is analyzed in Master ODS and the feedback sent to Fineos.

**Responsibilities:**

* Worked with Cigna SMEs, Fineos team and Business users to identify the requirements, source systems and **defined the logical container of data to be processed**
* Ensure Cigna’s published data standards, processes, and procedures among Data Modeler (DM) team and enhancement of these artifacts
* Have done the **data analysis on the source systems to identify the quality and pattern** of data with the help of SAs and worked with SMEs to resolve the data issues
* Understanding of existing DW model and **analysis of claims mart requirement**
* Analysis of RTM, Business requirement, CRs for developing data model
* **Defined the ETL architecture** which consist of source systems, Fineos Staging, AclmGadb Staging, Master ODS, DW (existing), Claims Data Mart and Downstream systems
* **Conducted JAD Sessions** to explain the Data model strategy and architecture to different stack holders
* Creation of ETL design artifact
* Defined Domain, User Defined Property (UDP) for the model
* **Developed logical model for Master ODS, Claims Data Mart** (STAR Schema) and review the same with DM team, SMEs.
* **Created Data Structure Diagram (DSD) and Data Flow Diagram (DFD)**
* **Developed Physical model** and review the same with SMEs, DBAs, development team
* Created DDL and execute the same in DEV environment and **worked with DBA** to execute the same in QA, INT, PROD
* Provided **strategy to pull the data from Fineos (Vertical Database)** to Fineos Staging
* **Mapping of code values from different system** and implement the same in database by generating DML from excel using VB macros.
* Assisted System Analyst on **ETL mapping and ETL design specification**.
* Analysis of different feedback programs such as CEPP and defined the tables
* Developed the **dictionary for Master ODS**.
* **Mapping of data movement by analyzing the different application/ databases**
* Provided support to the reporting, testing teams and integration to the various downstream applications.
* **Enhanced the process** to have better co-ordination between different teams
* Participated in Issue review meetings, allocation of defects within DM team
* Changes to the model after **doing impact analysis**
* Assisted ETL developers on **fine tuning of critical queries**
* Defect Management
* Interacting with QA and other team before deploying the fixes
* **Reverse engineering** of Acclaim database for creating the staging model

**Environment:** Teradata**,** Oracle 11g, SQL Server, DB2, Data Stage, Cognos, PL/SQL, Erwin 8

**Data Architect, Caterpillar Inc., IL Jan 2011 to Jan 2013**

**Data Mart for Product Design (DPD):**

The required data was pulled from APQP, FMEA, PCM, NPI applications. These applications are used to control the quality and cost of designing a product. The dashboard will provide required information such as Quality, Process conformance, Profitability, Requirements, Order fulfillment, Velocity, Purchasing, Cost, etc.

**Responsibilities:**

* Facilitated JAD sessions to gather the data mart requirements from the users.
* Analyzed the existing systems and the business user requirements for tactical and strategic needs.
* Data Profiling and data governance
* Created the Dimensional data model (STAR Schema)
* Created the ETL architecture and provided strategy related to data cleansing, data quality and data consolidation
* Source to target data mapping, creating and managing meta data such as data dictionary, data flow diagrams, models.
* Created the Design for Extraction process from legacy systems
* Interacted with the business users on regular basis to consolidate and analyze the requirements and present them the design results.
* Defining and Maintaining database standards
* Evaluating and selection of the required tools
* Created aggregated tables and materialized views.
* Created the Data Warehouse Data Model to store atomic level data and the summarized data.
* Created the required views for Business Object reports.
* Written shell scripts to load the data into database and schedule the ETL jobs in Unix and in oracle database using DBMS\_JOB, DBMS\_SCHEDULER.
* Provided required help to developers and created the PL/SQL stored procedures
* Adhere the CAT naming standards for the models

**Environment:** Windows XP, Unix, **Erwin data modeler**, Erwin Model Mart, Oracle11g, Teradata, Shell Script, Informatica, Business Object, Crystal Report, Microsoft Dynamics

**Item Master Management (IMM)**

Due to its diversity and M&A with other companies, CAT has accumulated lot of redundant and unwanted data in many legacy systems. Due to this, design engineers’ uses wrong items when designing the Bill of Material (BOM) and different application uses the different source of information. The objective of this project is to identify and consolidate the data into single source using the data collected every month from 28 design Center (Team Center) and other newly merged database such as Navistar databases and then update these design center, Navistar databases using the result. All the new development will access this new source of registered masters. This is done following the Hub & Spoke Registry Method.

**Responsibilities:**

* Gathered requirements by interviewing business users and SMEs and analyzed the same.
* Analyzed the requirements and defined the conceptual data model
* Reviewed the conceptual data model with SMEs and Business Lead
* Reengineered existing source databases to create physical data models
* Defined the logical data model and reviewed the same with team.
* Defined physical data model and implemented the same in the database
* Analyzed the different sources and provided the logic to extract the data from sources and loaded the same into staging
* Analyzed the extracted data, Corp Library, EDS data to identify the logic for determining the register masters for primary and various secondary data and review the same with team.
* Developed database procedures to process the imported external data, identify the masters from extracted sources.
* Developed various reports as per user request after processing each month’s data.
* Created materialized view for getting EDS data and scheduled job for monitoring the same
* Wrote Shell scripts to integrate the loading and processing of data as well as extracting the data from IMM and sending the same to the sources using scheduler jobs and monitoring of the same.

**Environment:** Windows XP, UNIX, Erwin Data Modeler r7, Java, Oracle 11g, PL/SQL, SQL Developer.

**New Product Introduction Management Tool (NPI MT)**

NPI process builds upon DMEDI, the 6-sigma product and process creation methodology. NPI process is structured in phases. Each with comprehensive deliverable, sub deliverable and activities. This tool helps the NPI Team, Product Manager and other stack holders involved in the NPI to adhere the process and helps to communicate between different stack holders.

**Responsibilities:**

* Conducted interviews, JAD sessions to discuss requirement and review of data base designs
* Requirement gathering and Analysis
* Analysis of the existing NPI workflow application
* Logical database design and review the same with the different stack holders
* Implementation of the physical database design
* Writing of triggers, procedures, functions, MV and packages
* Support for the developers during the development
* Migrated the legacy NPI workflow data into new application database using PL/SQL scripts and other oracle utilities
* Access control and security implementation
* Writing shell script to export the data to external system and scheduling of jobs
* Interface with SIMS, QNR databases to get the required data for NPI
* Creation and maintenance of Dev, QA, Prod databases.
* Providing data and testing of web services

**Environment:** Windows XP, **Erwin data modeler**, .Net, Oracle 10g, Oracle 11g, PL/SQL, SQL Developer, DB2., Shell script

**Data Modeler, Deloitte Consulting LLP, CA Jul 2007 to Dec 2010**

**California Court Management System (CCMS) and California Court Statistical Information System (CCSIS)**

CCMS captures information about all the type of cases such as Civil, Small Claims, Probate, Mental Health, Felony, Misdemeanor/Infraction (incl. Traffic), Family Law, Juvenile Dependency, Juvenile Delinquency will help all the participants in the court proceedings. This is a cross-county, multi case category system with a vision to implement the application in all counties of California: large and small, cross-venue capable.

All 58 California superior courts capture the information using CCMS and transmit the data required by CCSIS. CCSIS data warehouse provides information such as Superior court workload, court’s performance, number of filings, dispositions, trials and detailed information about the characteristics, patterns of the cases.

**Responsibilities:**

* Participated JAD sessions with customers and Business Analysts to identify the database needs for CCMS and CCSIS
* Developed the conceptual, logical models and review the same with different stack holders
* Created the normalized OLTP model for CCMS and dimensional model for CCSIS
* Created the logical model and assisted the DBA on creating the physical model
* Developed the models for core, staging, PSA and strategy for ETL
* Created the naming standard for the different DB objects.
* Provided required support to ETL team on mapping between CCMS, core, staging and CCSIS databases
* Developed the physical model and assisted the DBA on implementing the same
* Analyzed the existing applications to identify the data pattern, volume and structure of huge tables, Concurrent table/column access by critical queries
* Analyzed business requirements and business flow diagrams and translate them into data model
* Helped the migration team on mapping legacy applications to CCMS
* Supporting Tech Analysts (TA) and developers on explaining about the model
* Installed the Oracle 10g database to implement Erwin Model Manager. Successfully implemented and administered the Erwin Model Manager.
* Creation and maintenance of meta data management
* Provided required help to developers and created the PL/SQL stored procedures
* Migrated traffic data
* Created and scheduled the new batch programs and monitored the same. Tested and modified the existing batch programs.

**Environment:** Windows XP, Java, WAS 6.0, XML, Oracle 10g, Erwin Data Modeler r7, Informatica, Teradata, Business Objects, Crystal Report, **Erwin Model Mart r7**

**Data Modeler, State of Idaho, ID Dec 2005 to June 2007**

**Network Deposit Machine (NDM)**

The NDM (network Deposit Machine) uses external devices as the MiVisionX and TS300 to capture the information from the checks and stubs. These machines are capable of processing up to few hundreds of checks in a minute and are relatively not expensive in comparison with a track. The NDM has the ability to operate both over a LAN as well as the Intranet. The NDM comprises two basis components as the NDM Client and the NDM Server that archives the data it receives from the client. An xml file would be generated from the data at the server; the XML file would then be used by the HOST (TMS SYSTEM) to update the TMS database with the Information. The additional features that have been provided along with the system are Status monitor and Reports. The Reports module would be used both at the client and the server to view information from the database. The client and the server interact using Web Services. Now coming to the purpose and the advantage it provides to check processing, the several branches of a bank can all process checks now at their own environment rather than it being sent to a central location for processing. Using the NDM would be a major step in reducing the time involved in processing all the checks and on reducing the workload at a single location. Another advantage would be that the feel good factor would be present at all the branches based on the fact that there would be local control of processing their checks.

**Responsibilities:**

* Participating in the JAD sessions with customers, SMEs, Requirement team and helping them on identifying the database needs and constraints.
* Have done the analysis of the existing product TMS 2000 and integrated the DB design with NDM
* Supported all relevant databases modeling & designing and taking care of the physical implementation of the database for the development environment.
* Tuning the SQL scripts to improve performance. Creation of indexes to achieve the same.
* Reverse engineering the database into a data model using Erwin, creating the schema objects for development
* Indexing, Partitioning, data base triggers, procedures and fine tuning of queries
* Creating the database and schema objects.
* Created indexes and table partition
* Setting standards for database creation, object naming standards.
* Writing of PL/SQL procedures and triggers to support the developers
* Fine tuning of the SQLs for query optimization

**Environment:** Oracle 9i Designer, Windows 2000 workstation, ASP, Visual Basic, HTML, VBScript, JavaScript, COM+, ADO, Oracle, Cognos, TOAD, Test Director, WinRunner and LoadRunner, Rational Clear Quest, RequestPro

### **Data Architect, City National Bank (CNB), CA Jan 2005 to Dec 2005**

### **Archive and NetQuery System**

**Archive system** is used to archive data and check or coupon image files for sites, which need to store several days', months', or years' worth of check and coupon information for future recall. The data and images can be stored on any storage medium and viewed at any time. Using archive system data will be archived into the hard disk. Using Archive solution, archived data/images can be copied into CD. Archived images can be stored in the separate server.

**TMS Enquiry** system has a search function which allows the operator to look up an image & data using standard and/or customized search criteria. The image files are stored in jpeg/Tiff file formats. The data file path along with the relevant data is stored in the database. This is a client-server based solution. TMS Enquiry application supports the data retrieval either from hard disk or CD.

**Responsibilities:**

* Participating in the JAD sessions with customers, SMEs, Requirement team and helping them on identifying the database needs and constraints.
* Have done the analysis of the existing product TMS 2000 and integrated the DB design with TMS Enquiry, TMS NetQuery
* Prepared use cases using UML
* Supported all relevant databases modeling & designing and taking care of the physical implementation of the database for the development environment.
* Tuning the SQL scripts to improve performance. Creation of indexes to achieve the same
* Reverse engineering the database into a data model using Erwin, creating the schema objects for development
* Creating the database and schema objects.
* Setting standards for database creation, object naming standards.
* Writing of PL/SQL procedures and triggers to support the developers
* Fine tuning of the SQLs

**Environment:** **Erwin Data Modeler r7**, JAVA Windows 2000 (Both Database and web server), Web Services, VB.NET, ASP.NET, XML, SQL Server 2000, VB (For download components), Delphi 6.0 (for Archive solution), Rational ClearQuest, Requisite pro

**Data Modeler, Bank One, IL May 2003 to Dec 2004**

**TMS Image 2000**

Transactions Management System (TMS) is used in payment processing centers to rapidly process voluminous transactions in a cost effective and efficient way. The process is done in 3 phases, Pass 1, Data Entry, Pass 2 on the work flow. TMS has four major components, which facilitate the three Phased process model: Sort Pattern and workflow generator, Database, Report and Extract generators, and a common API to document transports.

**Responsibilities:**

* Assisted in estimating the specification requirements in the SDLC as well as in the estimation of database requirements and design with functional specifications.
* Conducted JAD sessions to identify the data requirements
* Designed logical and physical data base
* Understanding of Business flow diagrams and creating Data flow diagrams
* Provided architecture for the project
* Worked on strategy for migration from the legacy system
* Written migration scripts using SQL and SQL Load utility
* Written various levels of UNIX shell programs to automate and schedule the processes using crontab utility.
* Implemented and maintain database security.
* Used built-in DBMS packages like DBMS\_SQL, DBMS\_ALERT, DBMS\_STANDARD, and DBMS\_WRAP.

**Environment:** Windows 2000 (Both Database and web server), Web Services, VB.NET, ASP.NET, XML, Oracle, SQL Server 2000, VB, Delphi 6.0

**Data Modeler, Malee Sampron, Thailand Oct 2000 to Apr 2003**

**Food Trace**

Food Trace will help to trace the food items from the table to the origin of the raw material such as farm, poultry farm etc., This is basically a product, which supports all kind of trace such as Farm Trace, Quality Trace, Production Trace, Ship Trace. This product can able to trace the food items from farm to retail shop. Each produce has a different type of Traces.

**Responsibilities:**

* Conducted JAD sessions with SMEs, Requirement team to identify the database needs
* Analyzed the business flow diagrams and interface requirements
* Creation of logical model and review the same with SMEs
* Created Physical model and implementation of the same in the SQL Server 8 database
* Created and maintained the database for Dev, QA environments
* Tuning the SQL scripts to improve performance. Creation of indexes to achieve the same
* Creation of database naming standards
* Created backend programs and triggers
* Created test data and involved in the back end testing

**Environment:** PC Pentium,Internet Information Server 5.0 on Windows NT4.0 platform with SQL Server 8.0 as the database. Internet Explorer 5.5, HTML Tool kit, ASP using VB script and JavaScript and VB.

**Tech Lead, Reliance Industries Ltd (RIL), India Jan 1998 to Sep 2000**

**PetroChemNext.Com**

This is a B2B virtual market place called PetroChemNext.Com**.** This portal is developed using E-Business framework IBM-WCS-MPE. Few of the features this site will offer are Standard Price Offering, RFQ, Contract, Auction, Exchange, Discussion Forum, Yellow Pages, Classifieds, Expert Chat, Order Management System, and Integration of PetroChemNext.Com with Tally. OMS and Integration of Tally has been developed outside the MPE framework and plugged with the MPE system.

**Responsibilities:**

* Requirement analysis and identification of gap between MPE and business requirements
* Conducting JAD sessions with IBM, Business users and the project team to identify the solutions
* Created and tracked the Traceability, Quality and other performance metrics
* Scheduling and tracking of metrics
* Risk identification and mitigation strategies.
* Assist the team on creating test data, test scenario artifacts
* Review of architecture and other project artifacts
* Adhering ISO/CMM process and done the quality audit
* Providing periodic update to the stack holders on the project status

**Environment:** IBM RS/6000, PC Pentium, IBM AIX, Windows NT, **DB2, Web sphere Application Server, IBM-WCS-MPE and Visual Age for Java**

**DBA, WorldCom, MS Jun 1995 to Dec 1997**

**Call Data Retrieval System (CDR)**

WorldCom has 7 switches across USA. The data from these switches are collected and stored in the individual databases. CDR was developed to collect the data from these 7 databases and provide the call charges and relevant information to the subscriber on time.

**Responsibilities:**

* Data profiling to identify and understand the source system
* Analysis of business requirements and logical/physical data model for CDR ODS.
* Analysed and modified the collection programs which are written in C
* Data mapping between source and CDR databases
* Written scripts and backend PL/SQL procedures for ETL
* Installed Oracle and patches. Worked with Oracle support team to resolve the database related issues.
* Created Development, QA, Production databases and provided support for Dev, QA, PROD environments
* Written shell scripts and scheduler programs for scheduling extraction and loading.
* Backup/Recovery of the databases
* Fine tuning of database queries and indexes

**Environment: RISC 6000, Windows 95, Oracle 7.3, PL/SQL and Forms 3.0 & 4.0**

**System Analyst, Centre for GIS, Qatar Nov 1991 to May 1995**

Have done the analysis and developed GIS applications, Manhole Information System (MIS) for Drainage division and Land/Building Information system (LBIS) for MMAA, Qatar.

**Environment:** HP 9000, HP UNIX, Sun Solaris, Oracle 7.0, PL/SQL, Forms 3.0, Forms 4.0, VAX 6610, VAX / VMS, PL/SQL, X Window Programming, Arc Macro Language, ESRI’s Arc/Info

**Programmer, Decision Software, India Aug 1989 to Oct 1991**

Worked on Image Analysis System, Signature Storage and Retrieval system using C, Assembly languages. Image Analysis system was executed along with DRDO, Mumbai.

**Environment**: C, Assembly, HP UNIX, DOS

**Technical Skills:**

Modeling Tools: ERWin r7, Erwin Model Mart Server, Oracle Designer, Visio

Languages: PL/SQL, UNIX Shell Script, XML, VB, HTML, JavaScript, C, C++, DCL

RDBMS: Oracle 11g, Oracle 10g, Oracle 9i/8i/7.3, MS SQL SERVER2000, DB2, Teradata

Tools: SQL\*Plus, SQL\*Loader, Import/Export, Developer 2000 Form4.0, Citrix Tool Version 6.20, T-SQL, TOAD, X-Windows, .Net, Java, Flux, Informatica, Cognos, Business Objects, JCL, SharePoint

OS: Linux, UNIX, WINDOWS NT 4.0/2000, Windows98/95, VMS

Version Control: MKS, VSS, CVS, ClearCase

**Education:**

Bachelors in Computer Science & Engineering, Madurai Kamaraj University, India, 1989