**Makkena**

Experience in data modeling, analysis and design of databases for business applications in OLTP and Data Warehouse environments. Extensive knowledge in finance, healthcare, banking and retail domain.

**Summary:**

* Experience in Logical/Physical Data Modeling, **Relational** and **Dimensional Modeling** for Online Transaction Processing **(OLTP)** and Online Analytical Processing **(OLAP)** systems (**ODS, ADS** and **Data Marts**).
* Excellent communication and interpersonal skills in understanding the flow of business process and ability to interact with all the levels in **Software Development Life Cycle** **(SDLC).**
* Experience in developing **Entity-Relationship** diagrams and modeling Transactional Databases and Data Warehouse using tools **like Erwin**, **ER/Studio** and **Power Designer**.
* Good knowledge and experience with **Normalization / Denormalization techniques for** effective and optimum performance in OLTPandOLAP environments.
* Efficient in enterprise data warehouses using **Kimball** data warehouse and **Inman’s** methodologies.
* Experience in creating Mapping documents for **data extraction, transformation and loading.**
* Experienced in generating and documenting **Metadata** while designing OLTP and OLAP systems environment.
* Experience in performing **Gap analysis**.
* Worked extensively on **XML data** and **XSD schema** designing.
* Worked on developing data models by breaking down the **XML schemas**.
* Experience in designing **Star Schema**, **Snowflake schema** for Data Warehouse, by using tools like **Erwin data modeler**, **Power Designer** and **Embarcadero E-R Studio**.
* Experience with **creation of indexes**, creating and modifying table spaces for optimization purposes.
* Good Knowledge on **SQL queries** and creating database objects like stored procedures, triggers, packages and functions using SQL and PL/SQL for implementing the business techniques.
* Experience in **Data Analysis** using **SQL Queries** and **Data profiling tools**.
* Experience in Physical modeling for various platforms like **Oracle, DB2, SQL server**.

**Technical Skills:**

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| Data Modeling Tools | Erwin 9.6.4, Erwin r 8.2.5, Erwin r8, Erwin r7.1/7.2, ER Studio and, Power designer 16.6 |
| OLAP Tools | BusinessObjects, Crystal Reports 9 |
| Programming Languages | SQL, PL/SQL, VB, XML |
| Database Tools | Microsoft SQL Server 2000/2008, Teradata, Oracle 10g/9i, and MS Access, Oracle 12c, DBVisualiser |
| Packages | Microsoft Office, Microsoft Visio, Share point Portal |

**Professional Experience:**

Kroger Technology, Blue Ash, Ohio Feb’19-Present

Role: Data modeler/Data Analyst

Domain: Retail

**Responsibilities:**

* Worked as a data analyst and data modeler on Kroger Log project which is source of truth for the Kroger enterprise transactions and uses industry standard POSLog XSD schema.
* Mapped new transaction types, different new data strings and done improvements that are needed to the XSD schema based on the requirements from the downstream teams, as a part of product improvement and integration of new sources to Klog.
* Designed Klog schema in AVRO format to be able to accommodate the teams that cannot use data in the XML format.
* Worked on ingesting different data sources like DB2, Oracle, Informix etc. into Informatica’s Enterprise data Catalog tool.
* Worked with 8451 as a liaison to convert business requirements into technical requirements for Krogerpedia (Kroger’s data catalog/data governance tool) and designed new assets.
* Made changes to the underlying JSON Schema structures to alter the existing Krogerpedia assets based on the requirements.
* Created basic data quality rules on Krogerpedia to be implemented on different data assets like columns, tables etc.
* Provided inputs and involved in discussions to create an Enterprise data model with different subject areas.
* Participated in creating data governance rules for migrating various data sources from on-prem to Azure.
* Created test cases for testing Erwin version upgrade and created documentation on the new User interface.
* Worked on adhoc changes through infra requests created by various teams to update data models on the Mart repository and generate DDL scripts out of erwin to be implemented on the databases by the DBAs.
* Participated in POC projects on various external data modelling and data catalog tools and documented all the findings and presented to the higher management for decision making.

**Environment: Erwin 9.6.4, Informatica EDC tool, Altova XML Spy, Github**

Anthem, Mason, Ohio April’18-Feb’19

Role: Data modeler

Domain: Healthcare

**Responsibilities:**

* Worked in an agile environment on day-to-day requests supporting various teams and various domains like Member, Billing, Benefits, Claims, Broker Portal etc.,
* Used Sybase power designer to design both relational and dimensional data models.
* Worked on various requests for creating and modifying tables, columns, views, procedures, triggers, partitions and other physical objects.
* Worked with the DBAs in implementing the DDLs in various environments and maintenance of DEV, SIT, UAT, PERF and Production environments.
* Worked on preparing scripts and work with release management team to work on the production implementations and supported production activity.
* Worked on documenting data dictionaries and documented change logs for documentation of data models in the repository and shared the documentation to various teams through confluence.
* Worked with the Enterprise data architect to help documenting of all the changes made to the databases.
* Worked on generating sync scripts to sync up various databases and environments by implementing the difference scripts in the Databases.
* Worked on maintaining naming standards using the enterprise .nsm file and created tables and columns as per the Enterprise standards.
* Performed DBA activities to maintain Virtual databases which were being maintained as a backup and to prevent traffic on the main databases.
* Worked with the ETL teams to help them understand the way data model is designed through data mapping documents.

**Environment: Sybase Power designer 16.6, Toad for oracle, Oracle SQL developer 12c.**

Wells Fargo, Charlotte, North Carolina. October’16- April’18

Role: Business Systems Consultant

Domain: Banking

**Responsibilities**:

* Acted as a liaison between Client area and technical organization by planning, conducting, and directing the analysis of complex business problems to be solved with automated systems.
* Performed **Data mapping** (metadata) and documented **Information flows**.
* Worked on the **Data Profiling** and documentation thru various methods/tools.
* Provided technical assistance in identifying, evaluating, and developing systems and procedures that meet business requirements.
* Worked on the **Data Narrative**, **Data Lineage** Templates, **Risk and Controls** Inventories.
* Maintained process flow documentation as process changes are implemented.
* Working experience with **Collibra** or **Ab-Initio** Metadata Hub.
* Experience working with the Risk Framework (Best Practices, **COSO** etc.)
* **Data modeling** within creating derivation logic/transformations/formulation from various data inputs.
* Worked on the **Report Construction** and **Deconstruction**.
* Performed end-to-end **Data lineage** exercises and created required documentation.
* Performed **Quality Assurance functions** across departmental teams.
* Participated and promoted cooperative working relationships across organizations including knowledge sharing and partnership in achieving solutions.
* Worked with user groups to assess user needs, resolve questions, and recommend changes.
* Built relationships and interacted professionally with a **diverse group** (internal or external), managers, and subject matter experts.
* Worked both independently and as part of a team.

**Environment: Microsoft Visio, Microsoft Excel, Collibra, Ab-Intio, Oracle 11G,**

TIAA –CREF, Charlotte, North Carolina.

Role: Data Modeler/ Data Architect August’14 – September’ 16

Domain: Finance and Insurance

**Responsibilities**:

* Worked closely with the **business** and **IT partners** to deliver the data systems to meet their needs and understand the future direction of business.
* Collaboratively worked with the **Data modeling architects** and other data modelers in the team to design the **Enterprise Level** Standard Data model.
* Worked closely with the **development** and **database administrators** to guide the development of the physical data model and **database design**.
* Worked on designing **Conceptual, Logical and Physical** data models and performed **data design reviews** with the Project team members.
* Worked on different data domains like **Insurance, Banking, Trust, Retirement** etc. as well as various subject areas like **Party, Transaction, Event, Product and Account**.
* Worked on building the Logical data model from the scratch from the **XMLs** as the data source.
* Worked on building the data models to convert the data from one data Application to another in a way that suit the needs of the target database.
* Very familiar with the versioning and saving the models to the data mart and maintaining the **Data Mart Repository.**
* Redefined many **attributes** and **relationships** in the **reverse engineered** model and cleansed unwanted tables/columns.
* Ensure the **data warehouse** and **data mart designs** to efficiently support the reporting and **BI team requirements.**
* Produced **3NF** data models for **OLTP** designs using data modeling best practices and modeling skills.
* Created data models for different databases like **Oracle, Teradata**.
* Responsible for defining the **naming standards** for data warehouse.
* Developed **Data Mapping, Data Governance, and Transformation** and **cleansing** rules.
* Enforced **Referential integrity** in the OLTP data model for consistent relationship between tables and efficient database design.
* Involved in the creation, maintenance of **Data Warehouse** and repositories containing **Metadata**.
* Created **Source to Target Mapping Documents** to help guide the data model design from the Data source to the data model.

**Environment: Erwin 9.6, Erwin 8.2.5, Altova XML Spy, Oracle 11g, Teradata R15, MS Office, Windows 7, Star Team.**