**Suma Chitukula**

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**PROFESSIONAL SUMMARY:**

* Over 6+ years of experience in data modeling, **Business** and **Data Analysis**, production support, database management, strategic analysis, requirements gathering, **Application and Decision Support**.
* Experienced in developing Conceptual, logical models and physical database design for **Online Transactional Processing (OLTP)** and **Online Analytical Processing (OLAP)** systems using **ERwin** and **Power Designer**.
* Proficient in **Data Mart Design and Creation Of Cubes** using dimensional data modeling - identifying Facts and Dimensions, **Star Schema and Snowflake Schema.**
* Well versed in Normalization / De-Normalization techniques for optimum performance in **Relational** and **Dimensional Database Environments**.
* Experience in designing **ODS architecture** by using tools like Erwin data modeler, Power Designer, Embarcadero E-R Studio and Microsoft Visio.
* Having good knowledge in Normalization and De-Normalization techniques for optimum performance in relational and dimensional database environments.
* Expertise in extracting, transforming and loading **(ETL)** data from spreadsheets, database tables and other sources using Microsoft Data Transformation Service **(DTS)**, and **Informatica.**
* Extensive hands-on experience in **ER Modeling** and **OLTP/OLAP** Systems Analysis.
* Proficient in Software Development Life Cycle **(SDLC),** Project Management methodologies, and **Microsoft SQL Server** database management.
* Experienced in generating and documenting Metadata while designing OLTP and OLAP systems environment.
* Experience working on creating models for Teradata master data management.
* Well versed in conducting **Joint Application Design (JAD)** and **Joint Requirement Planning (JRP) Sessions, User Acceptance Testing (UAT),** Gap analysis, Cost benefit analysis and ROI analysis.
* Efficient in analyzing and documenting **Business Requirement Documents (BRD)** and **Functional Requirement Documents (FRD)** along with Use Case Modeling and UML.
* Excellent Team player to work in conjunction with Business analysts, Production Support teams, Subject Matter Experts, Database Administrators and Database developers.
* Exceptional problem solving and sound decision making capabilities, recognized by alternative solutions.
* Well versed with the concepts of **Forward Engineering and Reverse Engineering** for the existing databases for the Conceptual and Logical/Physical models using Erwin tool.
* Involved in implementing the Referential Integrity by using Primary and Foreign key relationships.
* Good Knowledge in designing the data marts using **Ralph Kimball's and Bill Inmon Dimensional Data Mart Modeling Techniques.**

**PROFESSIONAL EXPERIENCE:**

**Role: Sr. Data Modeler**

**Hanover Insurance - Worcester, MA January 2015 to Present**

**Description:** Business is interested in implementing a new, scalable Marine operating model that is expected to free up significant underwriting capacity to focus more on new business opportunities and increase premium per underwriter. As a part of which I am working on creating new efficient, scalable specialty business operating data model.

**Responsibilities:**

* Working with business users to know the business requirements.
* Initially phase designed the specialty marine data model for Contractor's

Equipment and now working on enhancing this model for additional Inland Marine product offerings.

* Worked with **ACORD XSD Structure** and Property and Casualty Insurance data model.
* Used the design of **Inland Marine Data Model** to design an **Inland Marine PolicyXSD,** which will borrow heavily from ACORD and will be the first step in building the **Canonical XSD For The Print Factory.**
* Because of the nature of Inland Marine, there are quite a few entities and elements that do not fit a traditional P&C model and they were accommodated into the **Model Accordingly.**
* Created lot of reference data for this application.
* Created process **Flow Diagrams** by using **MS Visio** and maintained data design document.
* Worked extensively with **XSD, WSDL.**
* Maintaining **Change Logs, Sub Models.**
* Extensively used the **Erwin Design Tool & Erwin Model Manager** to create and maintain the versions of the Inland Marine data model.
* Created **Documentation and Test Cases,** working with users for new module enhancements and testing.
* Supported throughout the construction, testing and implementation phases.
* Supported Development team helping them understand **ACORD Schema and Data Model.**
* **Supported QA team** helping them in identifying the **Schema** and database related defects.

**Environment:** SQ1 Server […] DB2, Oracle 10g/11i, Toad for Oracle 9.1 Expert, Erwin Data Modeler […] Erwin Model Manager […] MS Visio, JAVA, XML, XML SPY, Windows XP, WSFTP Pro 99, QC Explorer.

**Role: Sr. Data Modeler/ Service Modeler**

**JP Morgan Chase - Columbus, OH September 2014 to December 2014**

**Description:** JP Morgan Chase is one of the oldest financial institutions in the United States, which offers consumer businesses like credit cards, small business, home and auto loans etc. I joined the data modelers team here and worked on projects based on type of work involved as part of each project.

**Responsibilities:**

* Communicated with the **Service Integration (SI)** team for understanding the functionality, structure and flow of the **Middle Tier Integration (MTI)** services for the **Consumer Business Banking (CBB)** line of business.
* Interacted with Business Analysts to understand the business requirements.
* Gathered the necessary information for **Canonical Modeling/Business Object Modeling (BOM).**
* As a part of the working sessions with the **Business Analysts, identified the Logical** names as per **the Integrated Frame Work (IFW)** standards.
* Closely worked with the **Index Modeling Team** to get the physical level information.
* Part of the daily sessions with Data Architects to review the work.
* Developed the **canonical model objects** and relationships between them to represent the business requirements of the services using the **IBM Rational Software Architect (RSA).**
* Performed mapping from **SI Services (source)** to **Canonical Model Repository (target).**
* Created Canonical business attributes, classes and relationships using the **RSA Tool.**
* Created class diagrams for the specific services.
* Worked extensively with **XML Modeling (SI)** team to make them understand the schema and data standards.
* Using the compare option in the **RSA tool,** performed merging on different

**Canonical (BOM)** files from different projects and created a **Unified Canonical BOM Model.**

* Created and maintained the Canonical log (BOM log) for all the MTI services, withholding package level, class level, and physical level information for the attributes.
* Created logical data model from the **Canonical Model (BOM).**
* Created the physical data model from the logical data model.
* Worked as a part of the review and collaboration sessions regarding business processes, **Canonical (BOM) Modeling.**
* Conducted business meeting sessions for addressing discrepancies and resolving them.
* Assisted the **Interface Design Model (IDM)** team in understanding the Business Model.
* Participated in the **Data Review Board (DRB)** reviews as a part of the Data Architecture Team by playing the role of a secondary and email reviewer.
* Provided recommendations as a part of the DRB review sessions, to see if the attributes at the physical and logical level abide by the naming standards.

**Environment:** IBM Rational Software Architect 7.1s, Erwin8.x, MS Excel, Oracle 11g, DB2.

**Role: Data Analyst / Data Modeler**

**Wells Fargo & Co** , **Charlotte- NC May 2013 to August 2014**

Wells Fargo is the fourth largest bank in the U.S. by the assets and the largest bank by market capitalization. Wells Fargo is the second largest bank in deposits, home mortgage servicing, and debit cards. MIDE (Mortgage Integrated Data Environment) is a platform within Wells Fargo Home Mortgage which integrates and standardizes data from multiple sources on the Teradata platform in order to eliminate redundant data, streamline reporting, improve data accuracy, and reduce costs.

**Roles & Responsibilities:**

* Reviewed requirements together with **QA Manager, ETL Leads** to enhancing the data warehouse for the originations systems and servicing systems.
* Performed **GAP Analysis** of business rules, business and system process flows, requirements and developed Requirement **Traceability Matrix** to ensure current project requirements are met and their timely update.
* Design discussions and meetings with the data architects to come out with the appropriate design for the data warehouse.
* Responsible for souring originations systems and servicing systems like **LIS, LPS, CORE, AS400 and Phoenix into MIDE (Mortgage Integrated Data Environment) Source/Staging Layer.**
* Identified, organized, and documented the changing requirements of the project.
* Extensively involved in the **Physical/Logical Modeling** and development of

Reporting Data Warehousing System.

* Excellent experience managing the whole testing process, Project Status and monitor workload using **HP Quality Centre.**
* Documented requirements in Power Designer **V16 /V15, Erwin** and created **Requirements Traceability Matrices (RTMs).**
* Created fully fledged Source to Target Mapping documents (S2T), documented business and transformation rules.
* Worked on different data formats such as **Flat Files, SQL Files, Databases, XML Schema, CSV Files.**
* Attended **JAD Sessions** with Data Architects to build up subject area specific models.
* Working with other Data analysts and Info analysts for each subject area.
* Conducted internal and **Final DFD Reviews** with the **ETL Team (EIS), Data Quality, Metadata Management Team, Data Architects, Business and Application Data Stewards.**
* Developed on overall project plan and implementation schedule through consultations with project team, management, employees and external consultants.
* Involved in project cycle plan for the data warehouse, source data analysis, data extraction process, transformation and ETL loading strategy designing.
* Maintaining the **Requirements Traceability Matrix (RTM)** across the deliverables of a project.
* Supported **QA/ETL Teams** in ensuring proper implementation of the requirements and developed and executed test plans and test scripts for testing and **UAT (User Acceptance Testing).**

**Environment:** Power designer V16/ V15, Erwin, Teradata V14, Teradata SQL Assistant, Oracle 10g, SQL Server […] Mainframes, TOAD, XML, CA Harvest, PAC2000, Clear Quest.

**Role: Microsoft AX Technical Consultant/Database Analyst**

**Accenture - Hyderabad, Telangana August 2011 to March 2013**

**Description:** Worked as a technical consultant responsible for analysis, design, development, customization, deployment and testing on three versions of Microsoft Dynamics AX i.e. 2012, 2009 and 4.0 for various customers.

**Responsibilities:**

* Interacted with client, **Onshore Consulting and Offshore** development teams to drive projects towards goals.
* Analyzed customers' business requirements and **Provided Solutions** within stipulated deadlines.
* Prepared **Technical Design Documents Based on Functional Design documents.**
* Performed **Build, Unit Testing and Deployment.**
* Monitored development activities and performed code reviews.
* Executed data migrations using **Microsoft Data Migration Framework** and other technologies.
* Worked on **Bug Fixing, Enhancements, Customizations and Upgrades.**
* Developed third party applications and integrated with **Dynamics AX.**
* Assisted **OnsiteBusiness Analysts** to provide technically feasible solutions.
* Interacted with **Customers in UK** to gather business requirements.
* Prepared **Test Plan, Test Cases and Test Scripts.**
* Performed **Assembly, System, Integrated and User Acceptance Testing.**
* Monitored junior resources in the team.
* Trained employees on **X++ and SSRS in Dynamics AX Boot Camps.**
* Used **Agile Scrum Methodology.**
* **Data Mart Reporting Engine** development on **MS SQL 2008** for internal and external customers.
* Data profiling, validation, report designing framework using **BIDS on SQL 2008.**

**Environment:** Microsoft Dynamics AX 2012, MS SQL SERVER, SSRS, SSIS, SSAs, and Business Connector. ERwin 7.2/8.2, MS SQL Server 2008 […] Oracle 9i/10g, Informatica 8.6, SSIS, Win 7, OBIEE, Toad for Data Point, Toad for Oracle. MS SQL-2008, Erwin Data Modeler, Dundas Dashboard, SSIS, SSAS Cubes

**Role: Business Analyst / Data Analyst**

**Virtusa - Hyderabad, Telangana September 2010 to July 2011**

**Description**: As an IT consultant at Virtusa my role is to work on multiple projects/clients at a time, which involves creation of Data Marts and Enhancing their enterprise data warehouse as per the reporting needs.

**Responsibilities:**

* Identified goals and objectives of projects. Created **Project Plan** by gathering the requirements from the management.
* Requirement gathering from the users by conducting a series of meeting with the **Business System Users** to gather the requirements for reporting.
* **Identification of Risks** in schedule and marking them in the **Use Cases.**
* Extensively used **Star Schema Methodologies** in building and designing the logical data model into Dimensional Models.
* Worked with **DBA Group** to create Best-Fit Physical Data Model from the Logical Data Model using **Forward Engineering** using **ERWin.**
* Identify source systems, their connectivity, related tables and fields and ensure data suitably for mapping.
* Creating **Data Definitions and the Meta Data Repository.**
* Worked with third party data base to store the required data for the client **(Remedy A R Systems)**
* Explored data to identify its model role and measurement level. Verified data for missing values and incorrect data. And then cleaned and structured the data based on the format required.
* Validated the model and ran alternate scenarios/sensitivity analysis.
* Implemented the model and communicated it to end-users and stakeholders.
* Created **Stored Procedures Using PL/SQL** and tuned the databases and backend process.
* Created integrity rules and defaults.
* Performance **Tuning of the Database,** which includes indexes, and **Optimizing SQL Statements,** monitoring the server.
* Used **SQL to Run Ad-hoc Queries** and prepare reports to the management.
* Automated the reports using **Crystal Command.**

**Environment:** SQL Server 2000, Sybase12, Sybase Power Designer, UML, Business Objects, Windows NT/2000, Embarcadero, ER studio, Erwin, DB2, Informatica, Clear Case forms, Unix and Shell Scripting.

**Role: Data Modeler/ Data Analyst**

**Standard Chartered Bank-Hyderabad October 2008 to August 2010**

**Description:** This bank is a leading private bank in India with several services like Banking, Home Loans, Auto Loans, Credit Cards and Investment banking. In this project for the Debit Card Division of the Bank, built a customer-centric data warehouse to analyze transactions across finance, marketing, risk, collections, and consumer relations. The project deals with database management such as security, performance tuning, writing queries, and triggers.

**Responsibilities:**

* Identified goals and objectives of projects. Created project plan by gathering the requirements from the management.
* Used **Sybase Power Designer Tool** for relational database and dimensional data warehouse designs.
* Requirement gathering from the users by conducting a series of meeting with the business system users to gather the requirements for reporting.
* Identification of risks in schedule and marking them in the Use Cases.
* Worked on creating new tables and columns to **Basel Data Mart.**
* Extensively used **Star Schema Methodologies** in building and designing the logical data model into Dimensional Models
* Worked with **DBA Group** to create Best-Fit Physical Data Model from the Logical Data Model using **Forward Engineering Using ERwin.**
* Identify source systems, their connectivity, related tables and fields and ensure data suitably for mapping.
* Creating **Data Definitions and The Meta Data Repository.**
* Worked with third party data base to store the required data for the **Client (Remedy A R Systems)**
* Explored data to identify its model role and measurement level. Verified data for missing values and incorrect data. And then cleaned and structured the data based on the format required.
* Validated the model and **Ran Alternate Scenarios/Sensitivity Analysis.**
* Implemented the model and communicated it to end-users and stakeholders.
* Created **Stored Procedures using PL/SQL** and **Tuned The Databases** and backend process.
* Assisted **Reporting Team (Cognos).**
* Created integrity rules and defaults.
* Performance **Tuning of the Database,** which includes indexes, and **Optimizing SQL Statements, Monitoring the Server.**
* Used **SQL to run Ad-hoc Queries** and prepare reports to the management.
* Worked on **Fidelity Information Systems (FI Systems) and Maintained Security and Data Integrity of the Database.**
* Automated the reports using **Crystal Command.**

**Environment:** SQL Server 2000, Sybase12, Sybase Power Designer, UML, Business Objects 5, Teradata, Windows NT/2000, SSIS, SSRS, Embarcadero, ER studio, Erwin, DB2, Informatica, Query Management Facility (QMF), Data Stage, Clear Case forms, Unix and Shell Scripting.

**ADDITIONAL INFORMATION**

**Technical skills:**

* Data Modeling Tools: Erwin r7.1/7.2, Erwin R8, R9, Rational System Architect, IBM Info sphere Data Architect, ER Studio and Oracle Designer.
* OLAP Tools: Microsoft Analysis Services, Business Objects, and Crystal Reports 9
* ETL Tools: Data Stage and Informatica 7.1.3
* Programming Languages: SQL, T-SQL, Base SAS and SAS/SQL, HTML, XML, VB.NET.
* Database Tools: Microsoft SQL Server […] Teradata, Oracle 10g/9i, and
* MS Access Packages: Microsoft Office 2010, Microsoft Project 2010, SAP and Microsoft Visio, Share point Portal Server […].
* Operating Systems: Microsoft Windows 8x / NT / 2000/XP / Vista/7 and UNIX.
* Quality Assurance Tools: Load Runner, Quick Test Pro, Quality Center.