SANDEEP KUMAR BOGGULA

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Professional Summary

- Highly skilled software professional with over **8** plus years of experience in Data Managing, Data Modeling, Data Analysis and Data Engineering as a Proficient in gathering **Business requirements and handling requirements management**.

- Expert in handling healthcare data and have hands-on experience over **5** years in **healthcare industry.**

- Expert in handling Banking data and have hands-on experience over **2** years in **Banking industry.**

- Excellent ability to understand **business needs and data** to generate end to end **Business Solutions**.

- Good experience with **Normalization (1NF, 2NF and 3NF)** and **De-normalization techniques** for improved database performance in **OLTP, OLAP, Data Warehouse and Data Mart environments**.

- Experienced in designing the **Conceptual, Logical** and **Physical data modeling** using **ERWIN, Power Designer** and **ER Studio Data modeling** tools.

- Managing Database, Azure Data Platform services (Azure Data Lake (ADLS), Data Factory (ADF), Data Lake Analytics, Stream Analytics, Azure SQL DW, HDInsight/Databricks, NoSQL DB), SQL Server, Oracle, Data Warehouse etc. Build multiple Data Lakes.

- Strong experience in Microsoft **Azure** Machine Learning Studio for data import, export, data preparation, exploratory

- Developed JSON Scripts for deploying the Pipeline in **Azure Data Factory** (ADF) that processes the data using the SQL Activity. Build an **ETL** which utilizes spark jar inside which executes the business analytical model.

- Expertise in providing **Metadata Management, end to end data lineage solutions using Informatica Metadata Manager (IMM).**

- Experience in **Data vault** modeling identified and created Hub's, Satellite tables by analyzing different source systems and created a data vault.

- Expert in **creating XML and Json Schemas** for SQL and NO-SQL databases.
- Experience in modeling with both **Online Transactional processing** (**OLTP)** and **Online Analytical Processing (OLAP) systems.**
- Extensive experience in **QA manual testing, development, functional testing and data migration, data analysis and data profiling type** of projects.
- Knowledge of **Ralph Kimball** and **Bill Inmon's** approaches to Data Warehousing.
- Proficient in identifying **Facts and Dimensions, Star Schema and Snowflake Schema and ODS architecture** for modeling a Data warehouse in **Relational, Dimensional, and multidimensional modeling.**
- Experience in **Data Scrubbing/Cleansing, Data Quality, Data Mapping, Data Profiling, Data Validation in ETL.**
- I have a very good understanding of **Software Development Life Cycle and Software Testing Methodologies**.
- Experience with software deployment methodologies like **Waterfall, Agile and SCRUM**.
- Experience in **designing and developing reports.**
- Expertise in SQL Server **Analysis Services (SSAS) and SQL Server Reporting Services (SSRS).**
- Participated in the **development, improvement, and maintenance** of snowflake database applications.
- Well versed with **Data profiling, Data Migration and Data Conversions.**

Work History

Data Architect/Data Modeler   05/2022 to Current

USAA – Austin, TX
- Involved in analysis of business requirements and design implementation, for some of the internal applications like GDS, FLOD QC, FLOD QM and Service now applications.
- Created Conceptual, Logical, and physical models using Erwin Data Modeling Tool.
- Trained new employees and created documentation to on boarding a new employee into the team.
- Created source to target mapping documents for the complex data elements by identifying their sources.
- Migrated data from Legacy Source Systems (DB2) to new target systems (Snowflake).
- Created ETL load order reports for data loading.
- Worked with Google Cloud Functions to create serverless architectures for event-driven processing.

- Utilized GCP (Google Cloud Platform) Storage for storing and serving static and dynamic content.
- Used GCP (Google Cloud Platform) Big Query for real-time data analysis and visualization.
- Involved in critical business requirements discussions and coordinated with the SME's on getting the requirements finalized.
- Developed frameworks and processes to analyze unstructured information. Assisted in Azure Power BI architecture design.
- Architect & implement medium to large scale BI solutions on Azure using Azure Data Platform services (Azure Data Lake, Data Factory, Data Lake Analytics, Stream Analytics
- Creating Pipelines in ADF using Linked Services/Datasets/Pipeline/ to Extract, Transform, and load data from different sources like Azure SQL, Blob storage, Azure SQL Data warehouse, write-back tool and backwards.
- Reviewed critical and complex data models and approved them based on the data guidelines in the organization.
- Created Star Schemas based on the requirements and helped the team in building data warehouse.
- Scripted complex SQL queries while testing the data loaded in the tables.
- Participated in the Agile methodology and followed 2 weeks scrum patterns using JIRA.

Data Architect/Data Modeler   04/2021 to 04/2022

Novartis – Chicago, IL

- Responsible for the analysis of business requirements and design implementation of the business solution.
- Created Conceptual, Logical, and physical models using Toad and Erwin Designer.
- Designed and implemented effective database solutions and models to store and retrieve company data.
- Designed Data warehouse using Data Vault Methodology to provide long-term historical storage of data coming in from multiple systems.
- Migrated data from legacy systems to new core Platforms/Solutions.
- Architected new solutions and framework.
- Designed clinical databases for research, administration, and management.
- Identified source and created Source-to-Target mapping documents.
- Created data sheets for ETL to load the data.
- Created Load order reports for ETL.

- Involved in several facets of MDM implementations including Data Profiling, Metadata acquisition, and data migration.
- Created ER diagrams for No SQL database models and reviewed them.
- Coordinated Data Profiling/Data Mapping with Business Subject Matter Experts, Data Architects and ETL Developers.
- Used Data Stage as an ETL tool to extract data from sources systems, loaded the data into the ORACLE database.
- Ensured master data identification, quality, and cleansing on legacy systems in accordance with project timelines.
- Built and maintained Enterprise Data Dictionary.
- Used Erwin Designer for Forward Engineering and Reverse Engineering.
- Highly responsible for Data warehouse and data marts Structure, Design and Development.
- Involved in Business meetings for requirement gathering, Business Documentation and Data Warehouse Planning, Design, Development, Implementation.
- Created different Database Schemas, Tables, Views, Stored Procedures, Functions.
- Developed data warehouse model in snowflake.
- Deployed SQL code to different environments, worked on SQL Backup/recovery models and alerts.
- Examined and deconstructed large, complex data sets to surface relevant findings and plan for data cleaning and preprocessing.
- Created enterprise level Data Models related to Member, Provide, Code set, Treatment codes, Customer, Facilities, Location (demographic model), Finance.
- Build the Logical and Physical data model for snowflake as per the changes required.
- Used Star Schema for Data warehouse and data marts and worked with snowflake schema models.
- Worked in a data warehouse environment, which includes data design, database architecture, and Metadata and repository creation.
- According to the requirements created HTML, PDF format reports by using Erwin Designer.
- Created Fact and Dimension tables used for Reports.

Data Architect/Data Modeler   12/2016 to 03/2021

AIM Specialty Health (Anthem INC) – Chicago, IL
- Responsible for End-to-End development cycle for Data modeling.
- Responsible for the analysis of business requirements and design implementation of the business solution.
- Created Conceptual, Logical, and physical models using Power Designer.

- Created XML and json schemas to populate the reference data.
- Designed and implemented effective database solutions and models to store and retrieve the company data.
- Migrated data from legacy systems to new core Platforms/ Solutions.
- Architected new solutions and framework.
- Supported data quality issue analysis and remediated strategic data.
- Identified source and created Source-to-Target mapping documents.
- Created data sheets for ETL to load the data.
- Created Load order reports for ETL.
- Collaborated with business stakeholders to develop and document policies and procedures surrounding Data Governance
- Created ER diagrams for No SQL database models and reviewed them.
- Developed Enterprise Data Dictionary for reusable objects like domains, attachments, defaults, reference values, User data types and reusable procedural logic.
- Coordinated Data Profiling/Data Mapping with Business Subject Matter Experts, Data Architects and ETL Developers.
- Worked in a data warehouse environment, which includes data design, database architecture, and Metadata and repository creation.
- Designed Enterprise level reference data model for new core platforms.
- Built and maintained Enterprise Data Dictionary.
- Used Power Designer for creating tables using Forward Engineering
- Highly responsible for Data warehouse and data marts Structure, Design and Development
- Involved in Business meetings for requirement gathering, Business Documentation and Data Warehouse Planning, Design, Development, Implementation.
- Used Power Designer for effective model management of sharing, dividing and reusing model information and design for productivity improvement.
- Created different Database Schemas, Tables, Views, Stored Procedures, Functions.
- Created OLTP, ODS and OLAP architectures. Created enterprise level Data Models related to Member, Provide, Code set, Treatment codes, Customer, Facilities, Location (demographic model), Finance.
- Deployed SQL code to different environments, worked on SQL Backup/recovery models and alerts.
- Designed Metadata Management framework which can be used at enterprise level to manage enterprise Metadata of all the source systems.
- Used Star Schema for Data warehouse and data marts and worked with snowflake schema models.

- According to the requirements created HTML, PDF format reports by using Power Designer.
- Created Fact and Dimension tables used for Reports.
- Developed process methodology for the Reverse Engineering phase of the project.
- Involved in the critical design review of the finalized database model.
- Involved in the study of business logic and understanding the physical system and the terms and condition for database.
- Created documentation and test cases, worked with users for new module enhancements and testing.

Data Analyst   05/2014 to 07/2015

Techno Brain – INDIA

- Coordinated statistical data analysis, design and information flow.
- Created various Excel documents to assist with pulling metrics data and presenting information to stakeholders for concise explanations of best placement for needed resources.
- Produced monthly reports using advanced Excel spreadsheet functions.
- Participated in requirements meetings and data mapping sessions to understand business needs.
- Documented all data mapping and transformation processes in the Functional Design documents based on the business requirements.
- Involved in modifying various existing packages, Procedures, functions, triggers according to the new business needs.
- Normalized the data up to 3 rd. Normal form.
- Assisted in defining, prioritizing, and driving tasks/projects required to maintain unavailable and resilient database environment.
- Managed Architecture involving OLTP, ODS and OLAP.
- Performed the data source mapping.
- PK, FK relationships across the entities and across subject areas are identified.
- Reverse engineered all the Source Databases using ERWIN.
- Gathered requirements, analyzed, and wrote the design documents.
- Prepared High Level Logical Data Models using ERWIN, and later translated the model into physical model using the Forward Engineering technique.
- Documented logical, physical, relational, and dimensional data models.
- Created dimensional model based on star schemas and designed them using ERWIN.
- Identified/documented data sources and transformation rules required to populate and maintain data warehouse content.

- Created Data Stage Server jobs to load data from sequential files, flat files, and MS Access.
- Assisted developers, ETL, BI team and end users to understand the data model.
- Involved in the Data Mart (BMDM) system stores marketing data in an Oracle relational database and is interrogated using the end-user reporting tools.
- Performed Data Profiling to identify data issues upfront, provided SQL prototypes to confirm the business logic provided prior to the development.

Education

Master of Science: Computer Systems and Networks Technology   08/2017
Alcorn State University

Skills

- Data Modeling (OLTP & OLAP)
- Data Analysis
- Production Work
- Warehousing Expertise
- Reverse Engineering Skills
- Forward Engineering Skills
- Reviewing Data Standards
- SQL Server Integration Services (SSIS)
- ETL Processes
- SAS Software
- ERWIN Data Modeling Tool
- POWER DESIGNER data Modeling Tool
- XML Spy Tool
- Bit Bucket
- Source Tree
- Informatica PowerCenter

Sandeep Kumar Boggula

- Dallas, TX, US

Contact Information

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- 2818535674

Work History

Total Work Experience: 9 years

- **Sr.Data Architect/Data Modeler USAA**
  May 01, 2022

- **Data Architect/Data Modeler Novartis**
  Apr 01, 2021

- **Data Architect/Data Modeler AIM Specialty Health**
  Dec 01, 2016

- **Data Analyst/Data Modeler/SQL Developer Techno Brain**
  May 01, 2014

Skills

- **architecture** - 8 years
- **business requirements** - 8 years
- **data analysis** - 8 years
- **data marts** - 8 years
- **data modeling** - 8 years
- **data profiling** - 8 years
- **data warehouse** - 8 years
- **database** - 8 years
- **dimensional modeling** - 8 years

- **documentation** - 8 years
- **erwin** - 8 years
- **etl** - 8 years
- **microsoft sql server** - 8 years
- **ods** - 8 years
- **olap** - 8 years
- **oltp** - 8 years
- **physical data model** - 8 years
- **star schema** - 8 years
- **microsoft excel** - 6 years
- **oracle** - 6 years
- **reporting** - 6 years

Work Preferences

- Likely to Switch: False
- Willing to Relocate: False
- Work Authorization:
    - US
- Work Documents:
    - Have H1 Visa
- Security Clearance: False
- Third Party: False
- Employment Type:
    - Contract - Independent
    - Contract to Hire - Independent

Profile Sources

- Dice: https://www.dice.com/employer/talent/profile/6ffff833518b2666b5f8d7999aa99ac8