***Janani Irulappan***

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***PROFESSIONAL SUMMARY***

* Over 9 years of Information Technology experience in Data Architecture, Data Modelling, Data Warehousing, and Business Intelligence. Extensive experience in multiple full life cycle development projects including gathering business requirement, analysis of source system, design data strategies for both transactional and dimensional system.
* Worked on implementing logical data models, data architecture diagrams including current, interim and target state. Designed and developed data warehouse architecture, data modelling and ETL mappings solutions within data warehouse environment.
* Expertise in Data modelling for Data Warehouse/Data Mart development for Online Transaction Processing (OLTP) and Data Warehousing (OLAP)/Business Intelligence (BI) applications.
* Created the business rules and applied the Data quality checks using Informatica IDQ on the various data sources as JSON, XML and structured data.
* Discovered end to end data lineage across Enterprise Data Integration environment using the metadata manager.
* Proficient user of data modelling (e.g. Erwin, ER/Studio and MS Visio)
* Experience with RDBMS technologies (e.g. **Oracle**, SQL Server)
* Hands-on experience with the Hadoop ecosystem (e.g. HDFS, Hive, MapReduce).
* Experience in working on pilot data migration projects on AZURE data lake and AZURE data warehouse database.
* Experience in extracting, transforming and loading (ETL) data from spreadsheets, database tables and other sources using Microsoft SSIS and Informatica.
* Experienced in working on 3rd NF, Star-Schema Modeling, Snowflake Schema Modeling, Fact and Dimension tables.
* Ensuring that DW/BI standards and guidelines are used to develop the information models and database designs.
* Created, documented and maintained logical and physical database models in compliance with enterprise standards and maintained corporate metadata definitions for enterprise datastores within a metadata repository.
* Technical expertise in database design development by Kimball data warehousing methodologies.
* Strong knowledge of leading concepts in Data Quality, Master Data Management, Data Governance and Data Stewardship.
* Responsible for implementing mapping of data sources, data movement, interfaces, and analytics, with the goal of ensuring data quality. Collaborate with project managers, address data related problems in regard to systems integration and compatibility. Facilitated data requirement meetings with business and technical stakeholders and resolved conflicts to drive decisions.
* Worked in collaboration with the DBA to transform the logical information model into a first-cut logical database design (physical information model for the target DBMS).
* Highly skilled and experienced in Agile Development process for diverse requirements.
* Strong knowledge and working experience on Capital Markets, Asset management and Investment banking.
* Strong analytical skills with the ability with verbal and written communication skills. I enjoy learning new things and can assimilate new ideas quickly.

***SKILLS***

* **Data Modeling Tools:** Erwin r9.6, ER Studio V17.0, Microsoft Visio
* **Databases:** Oracle 18c, MS SQL server 2012/2017
* **Big Data Framework** – Hadoop SPARK / Hive / HDFS / HQL / SQL
* **Cloud Platforms** – Azure Data lake, Azure Data factory and Azure data warehouse
* **BI Tools** – Informatica / SSIS /SSRS /Tableau / Power BI
* **Programming Languages** – Python 3 (Pandas, Numpy, NLKT, Matplotlib, SciKit-Learn),
* **Industry** – Investment Banking / Asset Management / Capital Markets

***PROJECT HISTORY***

***London Stock Exchange group,*** *Greater London, England*

*Data Lead - Data Science & Analytics* | *05/2019-Current*

* Designed and developed a real time recommendation engine to deliver the report of LSEG’s most valuable customers, Admission opportunities, Customer service report, Tracking the productivity and addressing the customer request.
* Parsed the semi structured and unstructured data ex. JSON, Email file (.pst) using python libraries and modified the existing libraries to enhance the logic.
* Experience in data preparation, exploration and visualisation, data interrogation and analysis. Worked on predictive modelling, data processing and data mining algorithms to solve challenging business problems.
* Created IBM WATSON API sentiment analysis model that helped to improve sales and marketing strategies.
* Presented the data visualization report to the management to derive business strategies.
* Delivered data analytics to improve customer experience and persistence. Discovery of insights from large volume and high velocity unstructured data for business to develop targeted strategies for improved customer experience.

***Deutsche Bank,*** *Greater London, England*

*Data Architect* | *10/2014-05/2019*

* Translated the business requirements into conceptual, logical and physical data model.
* Assisted in development of data architecture policies and procedures.
* Provided technical support for data migration and data profiling initiatives.
* Ensured data consistency, quality and integrity between databases and operational systems.
* Executed the Data quality checks on the regulatory report and generated the scorecards.
* Worked on creating Business Glossary to integrate the technical information with functional information in order to enable the Business analyst to perform the day to day analysis.
* Worked at conceptual/logical/physical data model level using Erwin according to requirements.
* Developed normalized Logical and Physical database models to design OLAP system for insurance applications.
* Created dimensional model for the reporting system by identifying required dimensions and facts using Erwin r9.6,
* Responsible for defining the naming standards for data warehouse.
* Converted Logical Data Model into Physical Data Model by converting Entities into tables, attributes into columns and relationships into Constraints.
* Using Erwin performed Reverse Engineering to convert Database into Data Model, Forward Engineering to convert Data Model into Database and Complete compare to merge to different model into a consolidated data model.
* Generated DDL scripts (for Oracle database) using Data Modeler and executed to create the Database objects.
* Used Model Mart of Erwin for effective model management of sharing, dividing and reusing model information and design for productivity improvement
* Created dimensional data models using star and snowflake Schemas.
* Maintained data flow documentations up-to-date.
* Coordinated with development teams to optimize database performances.
* Conduct Design reviews with the business analysts and content developers to create a proof of concept for the reports.

***Russell Investments,*** *Greater Seattle, WA*

*Data Engineer* | *04/2010-09/2014*

* Translated the business requirements into conceptual, logical and physical data model, model transactional and Data ware housing Models and define and design data integration interface.
* Extensive experience in Design, Develop and Test ETL Mappings, Mapplets, Workflows, Worklets using Informatica PowerCenter 9.x,10.x. / SSIS.
* Migrated the mappings from Native mode to Hadoop spark/Blaze pushdown. Performed data extraction from Hadoop (HDFS/HIVE).
* Created the business rules and applied the Data quality checks using Informatica IDQ on the various data sources as JSON, XML and structured data.
* Worked on Informatica Metadata Manger tool to create end to end data lineage across Enterprise Data Integration environment.
* Designed, developed, implemented, and supported Qliksense dashboards.

***EMPLOYMENT HISTORY***

***Technical Architect,*** *Hexaware Technologies UK LTD since 10/2014 to current, Greater London, England.*

***Sr. Software Engineer,*** *Hexaware Technologies LTD since 04/2010 to 10/2014, Chennai, India.*

***EDUCATION***

***Master of Computer Application,*** *Master’s degree in computer applications from K.L.N college of engineering, Affiliated to Anna university, 2006-2009.*

***Bachelor’s in physics,*** *Bachelor’s degree in science specialised in physics from Sourashtra college, Affiliated to Madurai Kamaraj university, 2003-2006.*