**Madhu Devi**

**Email:** madhudevi20211@gmail.com

**Phone: (708)752-2768**

**Summary of Experience and Qualifications**

* Over 15 years of technology and management consulting experience in multiple IT disciplines (information architecture, data architecture, reporting business model, Big Data, and Cloud PaaS and SaaS)
* Certified Scaled Agile Specialist with applied experience for four years
* Experienced in **leading** Information **design** and **implementation** projects
* Led design sessions, **gathered** business **requirements**, defined, and designed **conceptual**, **logical**, and **physical** information/solution architecture
* Presented, reviewed, discussed architecture decisions to **review board stakeholders**
* Worked with **business partners**, functional and development teams to capture requirements, and to assess future state **solution architecture**
* Strong client facing and **communication skills**. Led **client meetings** and **follow ups**
* Applied and recommended **industry best practices** for scalable BI and EDW solutions
* Experienced in **leading** requirement analysis, design, development, testing, deployment and production support for **dashboards** and reports

**Technical Skills**

* Cloud Services: Amazon Web Services
* AWS services: QuickSight, S3, RedShift, SQL-Server
* Data Visualization Tools: Tableau, Oracle Visual Analyzer, Salesforce Wave Analytics, Qlik Sense
* Data Warehouse: Talend ETL, Informatica Power Center 9.x, DAC, Oracle Data Integrator (ODI), IBM DataStage, Informatica Cloud
* Enterprise Wide Applications: Salesforce, Oracle BI Application (OBIA), Oracle EBS, PeopleSoft, Siebel CRM, Siebel TPM, Oracle Retail Analytics
* Query Language: SQLPlus, T-SQL, SAQL (SAQL used in Wave Analytics)
* Implementation Methodologies: Waterfall, Scaled Agile, Agile Scrum
* General Tools:   Microsoft Office Suite, Microsoft Project, Visio, ERwin, Oracle SQL Data Modeler
* Development Tools / Languages:   Toad, SQL Developer, SQL Plus, PL/SQL, C#, C++, Java

**Key Achievements**

* Certified SAFe Agilist
* Deloitte Applause Award for Exemplary Performance (Multiple)

**Education**

* M.SC from Governor State University, IL 2004

**Professional Experience**

**Sunray Enterprise, Atlanta, GA July 2016 – Current**

**Role: Techno-Functional BI Lead Engineer/Analytics ProductManager**

**Project Description:**Nation’s one of the largest, independent healthcare technology companies based of Nashville, TN is marching towards creating an efficient and effective enterprise wide data platform to enable 360degree customer reporting capability leveraging Amazon Cloud Services capabilities.

**Responsibilities:**

* Built relationships with business clients across business units along with the Product Owner and acts as a liaison between the business community and technical team supporting onshore-offshore model
* Led and managed multiple high visibilityprojects with end-to-end product development and deployment
* Worked directly with business owners and technical team to size, prioritize and plan the implementation for features and user stories. Used story point to determine the complexity and capacity
* Led reporting design sessions, gathered user requirements, defined, and designed conceptual, logical, and physical information/solution architecture to ingest and consume data from multiple source systems and load it to AWS S3 and RedShift using Talend ETL tool
* Developed and published BI reports in Tibco Spotfire 7.4 and 10.2, Amazon QuickSight, and Tableau.
* Assisted business analysts in writing and troubleshooting InfoLink related issues
* Coordinated with Spotfire DevOps team reviewing logs and troubleshooting performance issues
* Agile scrum methodology, ensured quality deliverables by providing traceability to design documentation, features, user stories,and Acceptance Criteria.
* Anticipated the needs of the business and align solutions to strategic initiatives; Identified missing requirements based on experience and business goals.

**Deloitte Consulting LLP, Chicago, IL March 2008 – June 2016**

**Role: Information Architect**

**Project Description:** A 40-billion-dollar manufacturing company, in Peoria IL, wanted to leverage Microsoft Azure cloud technology with the goal of reducing Capex and building an enterprise data hub/data solution to support global, highly complex, upstream and downstream information systems across the organization.

**Responsibilities:**

* Led design sessions, **gathered** user **requirements**, defined, and designed **conceptual**, **logical**, and **physical** information/solution architecture to ingest and consume data from Data Lake
* Discussed various data ingestion and consumption patterns and technologies e.g. Event hub to design and architect data ingestion, consumption, and integration patternsleveraging **Microsoft Azure** platform
* Strong client facing and **communication skills**. Led **client meetings** and **follow ups**
* Presented, reviewed, discussed architecture decisions to **review board stakeholders**
* Worked with **business partners**, functional and development teams to capture requirements, and to assess future state **solution architecture** that aligns with organization’s strategic vision
* Facilitated and presented proposed solutions to 5+ team members in meetings
* Performed various project management (**PMO**) activities - created and managed project plan, provided regular status updates to multiple levels
* Created reports using **Microsoft Power BI** leveraging data from Microsoft Excel spreadsheets

**Environment:** Microsoft Azure PaaS & SaaS applications, IoT data, SAP SCM, Sterling Gateway, HDFS, B2B Integration

**Project Description:** A 40-billion-dollar manufacturing company, in Peoria IL, acquired third party machine data (IoT) to host internally. Objective was to design the architecture for onboarding acquired IoT data and integrate the same with existing machine data from various mining sites to build analytics reports and visualizations using Tableau to obtain information insights.

**Responsibilities:**

* Worked with business partners, functional and development teams to capture requirements, and to assess **future state solution architecture** that aligns with organization’s strategic vision
* Facilitated and presented proposed solutions to 5+ team members in meetings
* Performed various project management (**PMO**) activities - created and managed project plan, provided regular status updates to multiple levels
* Developed verbal and written communication and presentation skills, demonstrated ability to translate technical information to a non-technical audience at all levels of the organization
* Presented, reviewed, discussed architecture decisions to **review board stakeholders**
* Applied and recommended **industry best practices** for scalable architecture solution
* Followed **Agile Scrum** implementation methodology

**Environment:** Microsoft Azure PaaS & SaaS applications, IoT data

**Role: MDM Data Architect**

**Project Description:** The vision and objective of MDM project for America’s leading global franchise convenience store, in Dallas TX was to enable single version of truth, automation, governance, scalability, and flexibility in its current franchise management system. MDM solution is to transform years’ old legacy Vendor/ Supplier, and Location management applications to enterprise wide MDM applications - Oracle Supplier hub, Site Hub, and DRM.

**Responsibilities:**

* Worked with business partners to understand existing data flow and to gather future data requirements
* Led and managed requirement gathering sessions with stakeholders and business partners for over 1000 plus vendor and location attributes in RTM (Requirement Traceability Matrix)
* Identified business rules, performed data quality analysis using IDQ, Designed and defined current state and future state data architecture for supplier and location
* Reviewed, discussed, and received sign offs on future state MDM solution architecture for Franchise, Supplier, and Location Management
* Led and provided Proactively investigated opportunities to improve data quality
* Led requirement analysis, design, development, testing, and deployment of MDM solution in phases
* Delivered conceptual and logical entity relationship **(ER) data model**, data entity **catalog**, data lineage, **data dissemination**, Application use cases **(UML),** data profiling, data conversion, and **data migration** documentations

**Environment:** Mainframe, Oracle EBS 12.1.2, Oracle Site Hub, Oracle Supplier Hub, Oracle DRM

**Role: BI Reporting and Informatica Lead**

**Project Description:** The vision and objective of BIDW implementation solution for the world’s largest offshore drilling contractor and the worldwide leading provider of the drilling management services, in Houston TX, was to provide integrated and flexible BI reporting capabilities that is scalable, effective, and efficient with the ease of information access to the organization focused on FSCM, Order Management, Asset Management, Procurement and Spend, Vendor Performance, Custom scorecards.

**Responsibilities:**

* Worked directly with business users, gathered functional, security, and technical OBIEE reporting requirements ETL
* Over **100 BI enhancements** for which gathered ETL mapping requirements, translated requirements into technical design documentation.
* Managed delivery process, including testing and go-live. Performed load monitor and updates using **DAC**
* Led offshore and development team – regular status updates, validate development objects, worked with users to address report data, look, and feel, performance issues and concerns
* Designed, developed, and supported **ETL processes** for data staging, extraction, transformation and loading of fact tables using Oracle database
* Designed, developed, and deployed **OBIEE repository metadata** (RPD), reports, and dashboards for Asset Management, Supply Chain, Finance, and Procurement & Order Management subject areas. Create **scorecards** for VPs and CIOs.
* Applied dashboard and report **customizations** as per business requirements
* Performed post migration activities by testing and validating Oracle BI Apps – **OM, SCM**, **P&S**&**Finance** (AR, AP, GL)subject area reports and dashboards
* Built & executed **OBIA and custom mappings** leveraging Informatica Power Center 9.x utilities – **Designer, workflow manager, and workflow monitor**
* Followed both traditional **waterfall** and **agile** approach depending on project nature

**Environment:** RedHat Enterprise Linux 5 64-bit, Oracle Exadata Application, OBIEE 11g 11.1.1.7, Informatica 8.0.1, PeopleSoft ERP, SQL Server, and Essbase data marts

**Role: MDM Data Conversion Developer**

**Project Description:** Master Data Management Solutions for America’s multinational retail corporation, in Bentonville AK. The vision and objective of MDM project for the retail corporation is to enable single version of truth, automation, governance, scalability, and flexibility in its current Finance accounting system. MDM solution is to transform years’ old legacy Vendor/ Supplier, and products, and asset management applications to enterprise wide SAP ERP Applications

**Responsibilities:**

* Created multiple 15+ medium and complex **ETL mappings** using IBM DataStage version 8 and created detailed technical design documents for each developed object
* and executed 15+ **test cases**, at least one for each of the developed objects
* **Interacted** with multiple teams e.g. SAP, Data Quality, and conversion team lead to gathered conversion requirements
* Participated on daily project management (**PMO**) activities – project plan, status updates, development needs, issues, challenges, roadblocks, next steps

**Environment:** Mainframe, RedHat Enterprise Linux 5 64 bit, DataStage 8.0.

**Vertex Computer Systems, Columbus, OH March 2007- March 2008**

**Role: Oracle BIEE/Informatica Developer**

**Project Description:** A 300 billion plus dollars American Financial Services Group Inc., in Pittsburgh PA, wanted to build BI capability to track the number of documents pending against each loan per customer against various regions and line of business.

**Responsibilities:**

* Translated the functional details into technical documentation
* Created, shared, and finalized **dimensional model** joining facts and dimensions using ERwin
* Created source target column mapping in ETL technical design documentation
* Wrote SQL queries to override source qualifier queries
* Developed custom ETL mappings and workflows as per report requirements
* Built workflow batch for **full and incremental loads** using reusable sessions and worklets
* Created custom Dashboard pages and reports from custom Business Model
* Used various transformation in the mapping: aggregator, lookup, expression, joiner, router, filter
* Used advanced Transformations like stored procedure, unconnected look up

**Environment:** Oracle BI 10.1.3.2, Informatica 7.1.4, Oracle 10g, Windows 2003

**Itrendz Inc., Edison, NJ May 2005 - March 2007**

**Role: Siebel Analytics Developer**

**Project Description:** Internationally renowned top network and routing, in Bay Area, company’s objective of the GSES BIDW project was to enable progress tracking capability for theater managers so that theaters can create development roadmaps for teams in align with company’s business objectives.

**Responsibilities:**

* Completed Siebel Analytics repository (RPD) **design, development, and deployment** for the Project GSES
* Gathered and analyzed the user requirements with Business
* Performed the scope analysis and discussed with business partners and stakeholders
* Created Analytics star schema and snowflake schema in physical and business model layer
* Developed Analytics repository and Web catalog objects (e.g. reports, dashboards, & prompts)
* Involved in Unit Testing, Integration Testing of the RPD and Web Catalog objects
* Provided Knowledge transfer on setup, installation, development, and testing processes
* Coordinated with Architecture team in Repository and Web Catalog object migration

**Environment:** Siebel Analytics 7.8, Oracle 9i, Windows 2000

**Project Description:** A multinational oil & gas corporation, in Fairfax VA, implemented Siebel CRM Application and Siebel Analytics reports for sales, order, and customer performance KPIs to provide business users capability to monitor sales report and perform decision making process regarding their products and customers.

**Responsibilities:**

* Led production support and report enhancement activities for existing Siebel Analytics customer and order management **subject areas**
* Involve in **gathering** and analyzing the user requirements
* Translate functional details into technical details
* Coordinate ETL Mappings & workflows **migration**
* Prepared migration documentation

**Environment:** Siebel Analytics 7.8, Oracle 9i, Windows 2000.

**---------------------------------------------------\*\*\*--------------------------------------------**