**Susmitha Reddy**

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**Professional Summary:**

* Over 8+ years of experience in architecting, designing, and delivering data warehousing, data integration, migration, and conversion projects using various on-prem and cloud tools/technologies.
* Extensive experience in designing data warehousing and data integration projects as a certified Informatica developer and administrator, performing database analysis, design, development, and implementing data warehouse solutions using various ETL and other database tools.
* Hands-on experience working in various cloud (GCP, AWS and IICS) environments.
* Extensive experience with databases - Greenplum, Oracle, Teradata, DB2, SQL Server, MS Access, Hadoop, BigQuery (GCP), and Amazon Web services (Aurora, Oracle EE, PostgreSQL, S3, Dynamo DB, Redshift).
* Utilized SAGE (Statistical Analysis and Graphical Environment) for data analysis, manipulation, and visualization to derive meaningful insights and support decision-making processes.
* Conducted exploratory data analysis (EDA) using SAGE to identify patterns, trends, and relationships within large datasets, enabling data-driven decision-making.
* Hands-on exposure to Cloud architecture and Cloud-based tools/services like Informatica Intelligent Cloud Services (Mapping Design, Data Synchronization, Data Replication, Mapping Configuration, and Power Center), Google Cloud Platform (GCP), and Amazon Web Services (AWS).
* Experience in designing and implementing various data warehousing methodologies like star schema, slowly changing dimensions, change data capture, and incremental aggregation, etc.
* Experience in troubleshooting issues and evaluating the effectiveness of the solutions.
* Lead the team throughout the project lifecycle.
* Create Software Architecture, Information Architecture, Application Architecture, Design Architecture documents.
* Design conceptual and logical models for proposed enterprise solutions.
* Create specifications, detail design and use-case documents.
* Define technical requirements/specifications by working closely with business and business analysts, designing, and developing complex solutions to process data into enterprise data warehouse and data marts.
* Assess business implications for each project phase and monitor progress to meet deadlines, standards, and cost targets.
* Plan, schedule and execute all stages of project implementations.
* Assist product owners, delivery managers, and project managers to plan, schedule and execute all stages of project implementations.
* Design ETL solutions, decide load strategies, implement appropriate error handling and error notification processes.
* Troubleshoot issues and evaluate the effectiveness of the solutions.
* Address performance issues in various processes and/or tools.
* Extensive experience in working with enterprise architects, application architects, product owners, delivery managers, project managers, business clients, business analysts, and technical team throughout the project life cycle.
* Architected and designed multiple complex systems/applications to address various business analytical needs.
* Architected and designed multiple system integration solutions to leverage the availability of data in a centralized location/warehouse.
* Architected and designed various migration and conversion projects.
* Extensive experience in assisting product owners, delivery managers, and project managers to plan, schedule, and execute all stages of project implementations.
* Extensive exposure in Insurance sector and their products.
* Hands-on experience in creating ad-hoc solutions on the fly having different types of drilldown and rollup options.
* Extensive experience in leading projects and teams throughout the project lifecycle phases like gathering requirements, impact assessment, architecting/designing the solution, development, testing, deployment/implementation, and supporting the product/project after go-live.
* Have extensive business and technical experience with strong analytical, problem-solving, and communication skills.

**Technical Skills:**

| **Skill Set** | **Tools** |
| --- | --- |
| **ETL** | Informatica 10.1/9.6.1/9.0.1/8.x/7.x/6.x, B2B DX/DT v 8.0, Developer/IDQ 10.1, Analyst 10.1, Matillion |
| **Big DataCloud Services** | Google Cloud Platform (GCP), Amazon Web Services (AWS), Informatica Intelligent Cloud Services (IICS), Databricks |
| **Business Intelligence / Analytics** | Business Objects, Tableau, SAS, SAP, Data Studio (GCP), QlikView, Python |
| **Data Virtualization** | Denodo, Tableau, Power BI |
| **Database/Storage** | Oracle 12c/11i/10g/9i, SQL Server 2000/7.0/6.5, Greenplum 4.3.x, Teradata, DB2, Hadoop, BigQuery (GCP), Amazon Web Services (Aurora, Oracle EE, PostgreSQL, S3, Dynamo DB, Redshift) |
| **OS Platforms** | Linux, Unix (Solaris 2.8/2.6), Windows 10/8/7/Vista/XP |
| **CRM** | Salesforce |
| **Project Management** | Clarity, TFS, Rally, Jira |
| **Scheduling** | Airflow, Autosys, Control-M, CA 7, Informatica Scheduler, Unix Cron Jobs |
| **Other Tools** | HP Quality Center, Infogix, Altova XMLSpy, MS Office, Qlik Replicate (Attunity), Toad, Win-Sql, SQL Developer, PG Admin, XML, Confluence, Test Complete, Appium, Hot Jar,DDL |

**Molina healthcare, Bothell, WA Jun 2021 – Till Date**

**SR. DATA ANALYST**

**Responsibilities:**

* Collect and analyze healthcare data to identify trends, patterns, and insights that can improve patient outcomes and reduce costs.
* Develop and maintain healthcare data models, dashboards, and reports to support data-driven decision making.
* Work with stakeholders across the organization to understand data needs and requirements, and ensure that data is accurate, complete, and consistent.
* Identify opportunities for process improvements and data quality enhancements, and work with IT teams to implement solutions.
* Develop and maintain documentation and data dictionaries to ensure data is accessible and understandable.
* Communicate findings and insights to stakeholders in a clear and concise manner, both orally and in writing
* Stay up to date with emerging trends and technologies in healthcare data analysis and recommend changes to current practices as appropriate.
* Experience with healthcare data, including medical claims, clinical data, and health plan data.
* Proficiency in data analysis and visualization tools, such as SQL, Python, R, Tableau, and Power BI
* Experience with data modeling, data mining and database design, including knowledge of data normalization, data warehousing, and ETL processes.
* Familiarity with healthcare industry standards and regulations, such as HIPAA and HEDIS
* Knowledge of statistical methods and techniques, such as regression analysis, clustering, and machine learning
* Applied statistical techniques and models in SAGE to analyze data, including hypothesis testing, regression analysis, clustering, and time series analysis, to uncover valuable insights and trends.
* Developed and implemented data cleaning and preprocessing techniques in SAGE to ensure data quality and integrity, improving the accuracy and reliability of analysis results.
* Created customized data visualizations using SAGE's graphical capabilities, including charts, graphs, and plots, to effectively communicate findings and trends to stakeholders.
* Collaborated with cross-functional teams to identify key business questions and define analytical requirements, leveraging SAGE to deliver actionable insights and recommendations.
* Worked with large and complex datasets in SAGE, optimizing data storage and retrieval methods to improve efficiency and performance in data analysis tasks.
* Experience with healthcare data analytics platforms, such as Health Catalyst or Arcadia.io
* Understanding of data governance and data quality best practices
* Excellent communication and collaboration skills, with the ability to work effectively with stakeholders at all levels of the organization.

**Nationwide, Columbus, OH Jan 2018 – Jun 2021**

**SR. DATA ANALYST**

**Responsibilities:**

* Created Software Architecture, Information Architecture, Application Architecture, Design Architecture Documents.
* Collaborating with enterprise architects, application architects, product owners, delivery managers, project managers, business clients, Production Support, business analysts, and technical teams throughout the project life cycle.
* Designing and architecting complex systems and applications to meet various business analytical needs.
* Architecting and designing system integration, migration, and conversion solutions to leverage the availability of data in a centralized location/warehouse.
* Creating Software Architecture, Information Architecture, Application Architecture, Design Architecture Documents.
* Assisting product owners, delivery managers, and project managers in planning, scheduling, and executing all stages of project implementations.
* Designing and implementing data warehousing and data integration projects as a certified Informatica developer and administrator, performing database analysis, design, development, and implementing data warehouse solutions using various ETL and other database tools.
* Architecting and designing data warehousing, data integration, data conversion, and data migration solutions, deciding load strategies, and implementing appropriate error handling and error notification processes.
* Conducting Cloud POC to understand the strengths, weaknesses, and limitations of Google Cloud Platform (GCP), Amazon Web Services (AWS), and Informatica Intelligent Cloud Services (IICS) based on our day-to-day needs.
* Designing migration/conversion projects to build lakes and warehouse in both AWS and GCP.
* Designing ETL solution/mechanisms to load the data incrementally from the source database into the staging area and from there to feed the satellite applications in the form of flat files, XML files, and relational tables.
* Developed and automated data pipelines using SAGE and scripting languages (such as Python or R) to streamline data processing and analysis workflows.
* Conducted statistical modeling and forecasting using SAGE to support business planning, resource allocation, and performance evaluation.
* Conducted datamining and exploratory analysis in SAGE to uncover hidden patterns, correlations, and anomalies within datasets, facilitating proactive decision-making.
* Developed and presented reports and visualizations in SAGE to communicate analytical findings and insights to non-technical stakeholders, facilitating data-driven decision-making across the organization.
* Kept abreast of emerging trends and advancements in data analysis techniques and SAGE functionalities, actively seeking opportunities to enhance skills and apply innovative approaches.
* Experienced in managing security, permissions, roles, and other access controls within the Attunity platform. Attunity Enterprise, Attunity Compose, Attunity replicate.
* Reviewing data models and functional specifications before creating the ETL mappings, including unstructured data and non-relational data received daily.
* Designing change data capture processes for Fact and Dimension tables through a combination of timestamps, staging (before/after images), and bridge tables.
* Designing solutions for hybrid dimension tables that update multiple dimension tables in a single mapping by simulating an update cascade.
* Strategically using ELT (Extract, Load, Transform) approach to increase performance by proposing/implementing performance techniques in Informatica and/or in relational database systems.
* Developing and implementing SQLs to run against the Informatica metadata to determine the execution time of each session over a period to identify those that were performing poorly.
* Improving performance of ETL processes by benchmarking different approaches to reduce the ETL load time. Based on the benchmark figures, implementing changes to the ETL processes that included changing the design of certain mappings, addition of new intermediate/staging tables, and using database partitioning/Informatica pipeline partitioning for large loads.
* Designing ETL solution using B2B Data Transformation Studio.
* Providing input and recommendations on technical issues to the Project Manager.
* Creating and maintaining technical documentation related to Architecture, Design, and ETL processes.
* Familiarity with administration tasks in the Striim platform.
* Providing guidance to the project team on critical schedule items, impacts, and possible schedule mitigation.
* Ensuring all project schedules are prepared and delivered so that schedule risk assessment can be performed.
* Performing earned value analysis, performance measurement, project forecasting, coordinating change management, and project performance reporting.
* Developing and implementing project cost and schedule baselines, report variance, issue, Guidewire Claims Center and risk management plans.
* Maintenance support, environment stabilization, upgrades, licensing issues.
* Monitoring and communicating project milestones/targets clearly within and outside the project by involving appropriate stakeholders.
* Monitoring resource allocations, activities/tasks, and deliverables to ensure alignment with the project plan, approved budget, and timelines.
* Expertise in Attunity Platform environment setup, configurations, and integration with other services.
* Managing the reporting of project progress to management and stakeholders.

**Environment:** Informatica Power Center 10.x/9.6.x/9.x, Google Cloud Platform (GCP), Amazon Web Services (AWS), Informatica Intelligent Cloud Services (IICS), Oracle 12c/11g/10g, Greenplum 4.3.x, DB2, SQL, PL/SQL, Toad, Win-Sql, SQL Developer, PG Admin, XML, Altova XMLSpy, Web-services, MS-Office, MS-Visio, MS-Project, Airflow, Autosys, CA7, TFS, Rally, Clarity, Infogix, Jira, SAP, Qlik Replicate (Attunity), Beyond Compare, Textpad, Attunity Enterprise, Attunity Compose.

**FIRST Republic bank, New York, NY Dec 2016 – Dec 2017**

**Data Analyst**

**Responsibilities:**

* Analyze large data sets, including financial and customer data, P&C Insurance to identify trends, patterns, and insights that can inform business decisions.
* Work with business partners to understand their data requirements and translate them into data models, reports, and dashboards.
* Work closely with stakeholders, business units, and technical teams to identify and define Policy and Claims. Develop and maintain data dictionaries, metadata repositories, and data lineage documentation.
* Data Analysis Tools: SQL, SAS, R, Python, Excel, Tableau, Power BI, QlikView
* Data Modeling Tools: ER/Studio, ERwin, Power Designer, Visio
* Analyze large and complex data sets using various data analytics tools and techniques.
* Design and develop data models, data pipelines, and data transformation processes to support data integration, data migration, and data warehousing projects.
* Conduct data profiling, data cleansing, data transformation, and data validation activities to ensure data accuracy, completeness, and consistency.
* Data Integration Tools: Informatica, Talend, IBM InfoSphere, Microsoft SSIS
* Database Management Systems: Oracle, SQL Server, MySQL, PostgreSQL, MongoDB, Hadoop, Teradata
* Perform ad hoc data analysis and data visualization to support business decision-making processes.
* Develop and maintain reports, dashboards, and scorecards to monitor key performance indicators (KPIs) and critical business metrics.
* Data Warehousing Tools: Amazon Redshift, Google BigQuery, Snowflake, Microsoft Azure Synapse Analytics
* ETL Tools: Informatica PowerCenter, Talend, IBM DataStage, Microsoft SSIS
* Data Governance Tools: Collibra, Informatica Axon, Alation, Talend Data Catalog
* Cloud Platforms: AWS, Google Cloud Platform (GCP), Microsoft Azure, Snowflake
* Programming Languages: SQL, Python, Java, Scala, R, SAS, VBA
* Collaborate with data architects, data engineers, and other data stakeholders to ensure data solutions align with enterprise data architecture and data governance standards.

**Environment:** Python, Java, Scala, R, SAS, SAP, VBA, SQL, GCP, Microsoft Azure, Snowflake, MongoDB, Hadoop Talend, Power BI, Excel, Tableau, Attunity replicate.

**ADITYA BIRLA FINANCIAL SERVICES, INDIA Jun 2015 – Oct 2016**

**Consultant**

**Responsibilities:**

* Interpreted logical and physical data models for business users to determine common data definitions and establish referential integrity of the system using ERWIN.
* Assisted in the design of an efficient, reliable ETL mechanism.
* Developed several Type 1 and Type 2-dimension mappings.
* Developed error trapping and email notification mechanisms.
* Provided performance tuning, analyzing query plans, indexes, and locking behavior to ensure efficient processes are developed to meet systems performance requirements.
* Maintained the existing ETL processes to accommodate Policy and Claims changes in source systems and business requirements.
* Developed test requirements, plans and scripts and supported the testing and ETL code promotion processes.
* Provided daily support, troubleshooting, and established/maintained strong partnership with technical counterpart and Operations user community.
* Provided representation at end-user meetings and technical meetings.
* Coordinated and assisted technical analysts with design solutions for application modifications, interfaces, and reports.
* Continuously monitored and improved all aspects of production system architecture focusing on efficiency and reliability of data extraction, system integration, error handling and process automation.
* Actively collaborated with supporting teams such as DBA\*s and System/Data Architects.
* Maintained concise documentation of all development logic and subsequent amendments.
* Developed ad-hoc reports using Cognos Impromptu.
* Mentored the development team.

**Environment:** ETL Informatica Power Center 7.1.4, Oracle 9i, Teradata, MS SQL Server 2000/7.0, DB2, Toad, SQL, XML, Windows NT/2000, HP-UX.

**ENTRUST TECH SOLUTION**, **INDIA Jun 2014 – May 2015**

**Program Analyst**

**Responsibilities:**

* Worked with business and business analysts to translate business requirements into technical specifications.
* Laid out specifications in writing data extracts to excel files so that business-users can analyze the data extracts in spreadsheets. These data extracts are also used for high-level Business users reporting purposes.
* Developed around 40 mappings and documented system processes, procedures and set ups.
* Helped in creating and scheduling batches and sessions using the server manager.
* Tested the data extracts to check if they conform to the business rules.
* Maintained specific functional area documentation in a library defined by the technical lead.
* Created source to target data mapping documents.
* Identified, developed, and documented requirements and functional specifications for change requests.
* Performed extensive SQL, Shell and PL/SQL scripting for regular Maintenance and Production Support to load the target database in regular intervals.
* Developed robust mappings with built in reconciliation and error handling.
* Participated in first level problem resolution tasks.
* Recommended methods to improve ETL performance.
* Assisted technical client liaison with Knowledge transfer, system transitions and mentoring.
* Provided documented operation and user procedures, when required, and performed supporting training for users.
* Extensively involved during the testing phase before the application underwent the production phase.

**Environment**: Informatica Power Center 7.1.2/6.2, Oracle 9i, DB2, Sybase, COBOL, SQL, Erwin, Windows NT, UNIX (Sun Solaris).

**Education:**

* Bachelors’ specialization in Computer Science from JNTUH, India. Year of Passing May 2014.