**Divya Marupaka**

**Senior Snowflake Architect**

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**Summary**

* Software Professional with 12+ years of work experience in the IT industry, working in a variety of Data warehousing projects using the industry leading tools and technologies such as Informatica PowerCenter, Informatica Data Quality (IDQ), Intelligent Cloud Services (IICS),Informatica Meta Data Manager, Tableau , Oracle PL/SQL, SQL Server Management Studio (SSMS), Unix.
* Hands on Experience on Analytics & BI visualization tools like Power BI, Tableau, OBIEE, BI Publisher, Spotfire, QlikView, Data Studio, etc.
* Strong experience in Design, Architect & Develop Enterprise Data Warehouse & setup Extraction, Transformation, Loading (ETL) data from various sources and target systems.
* Hands on Experience on various ETL tools like SSIS, Informatica, Tibco Data Virtualization studio,Customconnectors.
* Strong knowledge of Data Warehouse methodologies, including Dimensional Data Modelling, Star Schema, Fact and Dimension Tables.
* Experience in handling Data Analytics & Business Intelligence Teams & Projects. Implement all phases for project to achieve all project objectives & Success.
* Effective in working with Business Analysts, Business partners, Executive stakeholders to understand problem statements & data insight needs, analyze requirements and priorities, develop and execute Project deliverables.
* Extensively worked with ETL tools to extract data from various sources and targets including Oracle, Flat files (fixed width and delimited), MS SQL Server, Teradata, Netezza, DB2, JSON, XML, REST API, AWS Cloud (AWS S3, Redshift) .
* Strong knowledge of Software Development Life Cycle (SDLC) including Requirement analysis, Design, Development, Testing, Support and production Implementation.
* Have experience in following Waterfall and Agile models with the help of software’s like JIRA and RALLY.
* Experienced in Shell scripting and PL/SQL procedures.
* Actively involved in migrating the data warehouse to Snowflake and re-platforming the ETL to Informatica intelligent cloud services (IICS).
* Exposure on Microsoft **Azure** Cloud and Informatica Cloud.
* Experience with Unix job schedulers such as Autosys and Control-M.
* Developed Python scripts to extract, transform and load data from csv, xml files to relational and cloud databases.
* Extensively applied cloud data integration(CDI) in the part of IICS for the various source system files to load into snowflake respective tables
* Excellent communication and strong interpersonal skills with the ability to interact with end-users, managers and technical personnel.

**EDUCATION**

Bachelor of Engineering (Electronics and Communications Engineering), JNTU, India in 2006.

**Technical Summary**

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| **RDBMS** | Oracle 12c, MS SQL Server 2014, Teradata 14.0, DB2, MS Access, SQL, PL/SQL, Netezza, AS400, Microsoft **Azure,** Amazon S3& Redshift |
| **DW/ETL Tools** | Informatica intelligent cloud services, Informatica Power Center 10.2.0, Informatica Power Exchange, Autosys, Control M, WINSCP , Google Cloud Platform |
| **Reporting Tools** | Business Objects XI R3, MicroStrategy, Google analytics 360, Tableau |
| **Languages** | SQL, PL/SQL, PERL, Python, Shell Scripting, XML, json |
| **Database Tools** | SQL Developer, TOAD , Google Cloud Big Queries , Microsoft **Azure** |
| **Data Modeling** | Dimensional Data Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling, ERWIN, Visio |

**Professional Summary**

**Pacific Life Insurance -Aliso Viejo, CA (Greater Los Angeles Area)**

**April2020 –Till date**

**Senior ETL Snowflake Architect**

Pacific Life refers to Pacific Life Insurance Company and its affiliates, including Pacific Life & Annuity Company. Insurance products are issued by Pacific Life Insurance Company in all states except New York and in New York by Pacific Life & Annuity Company. Product/material availability and features may vary by state. Each insurance company is solely responsible for the financial obligations accruing under the products it issues. Insurance products and their guarantees, including optional benefits and any crediting rates, are backed by the financial strength and claims-paying ability of the issuing insurance company.

Responsibilities:

* Involved in leading both onsite and offshore teams.
* Worked closely with the SME and BA to get an understanding of the business requirements.
* Worked in Agile Model, moving through the sprint cycle and using the tracking Tool: JIRA.
* Actively involved in migrating the data warehouse to Snowflake and re-platforming the ETL to Informatica Cloud Services
* Actively involved in Design, development & build of ETL data-integration pipelines on a cloud platform.
* End to end Technical Architect/ Development, Project delivery Estimation and Technical Designing of enterprise Cloud data warehouse and BI Insights for reporting needs.
* GCP Big Data & BI Technical Head for implementing Google Cloud Big Query Platform.
* Drive the design, development, and maintenance of innovative and scalable Cloud Data Warehouse & BI solutions across the Amkor Factories, with the highest standards of analytical rigor and data integrity.
* Collaborate with product management, software engineering, data science, and data engineering leaders to design and develop information management capabilities
* Lead the Definition and Data Governance of key business metrics, drive the vision and building of automated dashboards and self-service analytic capabilities, and engineer data-driven processes that drive business value
* Worked on Google Cloud Platform Services and Big Query.
* Extensive development in Microsoft **Azure** Power BI and Spotfire Reports/Dashboards.
* Partner with Business Analysts to determine business requirements, priorities, define key performance indicators and develop business intelligence and data warehouse strategy
* Drive major contributions to data and Analytics roadmap to uncover deep business insights, trends, and opportunities.
* Translate ambiguous business problem statements into actionable analytical solutions. Manage large scale data requests and projects to define requirements, manage timelines, and coordinate activities with other involved team members.
* Educate and train customers to use data as an analytical tool, displaying the information in new forms and content for the purpose of analysis and option exploration
* Mentor and develop other analytics team members
* Loaded data from Google Analytics to Snowflake using Rest V2 connectors .
* Also extracted data from Google Analytics using Big Queries
* Extensively worked on Writing queries in Google Big Query to stitch, aggregate and filter data from Google Ads and Google Analytics into Snowflake.
* Implemented best practices on integration standards for data-ingestion, batch loads , parallelization, and change data capture.
* **Environment**: Informatica Informatica intelligent cloud services(IICS),SQL Server on Microsoft **Azure** , B2B DX /DT Integration Flat Files, Google Analytics, Google cloud Console Platform , JSON, XML, REST API, Google cloud storage, Snowflake), Atlassian ITSM, CTRL-M, Tableau ,Toad, Windows 10, UNIX putty, Win SCP, JIRA tracking Tool.

**Hyundai Auto Ever America - Fountain Valley, CA**

**July 2019 – March 2020**

**Senior ETL Snowflake Architect**

Hyundai Auto Ever America (HAEA) is a global Information Technology services company, serving Hyundai, Kia Motor Group affiliates in North and South America.

The Enterprise Datawarehouse (EDW)used here, provides a single repository for managing all of the HMA and KMA data assets for reporting and analysis of the data to a wide variety of users using detail, transaction level data bases thereby turning the data into Business intelligence and delivering reports through the front end portion using MicroStrategy reporting tool .

Responsibilities:

* Involved in requirement analysis, ETL design and development for extracting data from the source systems like Microsoft **Azure** ,**SQL,DB2 , flat files** and loading into **Snowflake**.
* Experienced in Design, Architecture and implement effective Analytics solutions and models with Snowflake.
* Able to Examine and identify Datawarehouse structural necessities by evaluating business requirements.
* Worked on Assessment of Datawarehouse implementation procedures to ensure they comply with internal and external regulations.
* Developed Snowflake SQLs and Stored Procedures for migration of data from Oracle DB, Files and API to new solutions.
* Monitored the system performance by performing regular tests, troubleshooting and integrating new features.
* Recommend solutions to improve new and existing Datawarehouse solutions.
* Used different **tasks** like **Email**, Event Wait, Event Raise, and **file watcher** also the command task to in built **python scripts** in Informatica.
* Created DB2 database queries from python using Python-DB2 connector and DB2 packages.
* Developed process integration flows for Agency and Sales data leveraging **Informatica** **Cloud** **transformations**.
* Involved in designing the Service Connectors from REST URLs and WSDL files
* Involved in creating the App Connection for email, Flat file, Service Connectors, JDBC.
* Extensively used **Data Synchronization** jobs to sync back the data to on premise using Informatica Cloud.
* Importing the on-premises data to **Informatica Cloud on Monthly basis**.
* Used COPY to bulk load the data into **Snowflake**.
* Used **Informatica** **Cloud** **Rest** **API** to send requests and receive responses in **JSON and XML**.
* Used **Informatica Cloud Rest API** to access information and running tasks and task flows on third party applications and services in Informatica Cloud.
* Design and develop logical and physical data models that utilize concepts such as **Star Schema, Snowflake Schema and Slowly Changing Dimensions**
* Created dynamic Mapping Configuration Tasks, create/update Connections and Schedule Tasks, Start and Monitor Tasks using Informatica Cloud Rest API.
* Used Informatica Cloud Rest APIs to send requests and receive responses, running tasks and task flows on third party applications and Mapping Configuration Tasks.
* Develop **UNIX** scripts to migrate Informatica ETL contents between environments.
* Expertise in implementing **Slow Changing Dimension** (SCD) Type 1 & Type 2 using Informatica to maintain history in Dimension tables.
* Design jobs in **Control-M** for scheduling and monitoring the jobs that loads the Datawarehouse.
* Developed various stored procedures, functions and packages using **PL/SQL** as per design documents.
* **Environment**: Informatica Intelligent cloud services ,Informatica B2B DX /DT Integration, SQL Server Management Studio , AS400, Flat Files, Oracle 12c, PL/SQL, JSON, XML, REST API, AWS Cloud (AWS S3, Redshift) Atlassian ITSM, CTRL-M, Toad, Windows 10, UNIX putty, Win SCP, JIRA tracking Tool.

**Wells Fargo Bank - Irvine, CA**

**Aug 2017 – July 2019**

**ETL IICS Developer**

Wells Fargo Auto is currently the subject of a special Review by the Office of comptroller of the Currency related to Aftermarket products this work will address. WF Auto has to comply with both federal lending regulations and state specific guidelines for lenders related to aftermarket products. This Project will define an implement policy, process and technology solutions creating efficient and transparent aftermarket oversight. Focus areas/work streams are 1. Dealer oversight, policy and procedures regarding Aftermarket products 2. Customer service, refund sand complaints 3. Customer onboarding 4. Aftermarket funding and underwriting.

A key Element of this work is improving the data available to drive controls and monitor report on compliance including control failures. These changes support the transformation of WF Auto to operate compliantly, profitably and with the appropriate controls to effectively manage risk.

Responsibilities:

* Worked as a Lead for data integration projects tasks, estimate effort, schedule tasks and drive project deliverables and schedules.
* Worked closely with the SME and BA to get an understanding of the business requirements.
* Worked in Agile Model, moving through the sprint cycle and using the tracking Tool: JIRA.
* Loaded Dimension, Fact and Exception tables and automated email generation when exceptions occurred.
* Worked on data profiling, data validation and data analysis.
* Actively involved in migrating the data warehouse to Snowflake and re-platforming the ETL to Informatica Cloud Services
* Created INFORMATICA INTELLIGENT CLOUD SERVICES (IICS) Data Integration Mappings by using different transformations like Aggregator, Data Masking, Expression, Filter, Hierarchy Builder, Hierarchy Parser, Java, Joiner, Lookup, Normalizer, Rank, Router, Mapplet, Sorter, SQL, Structure Parser, and Web Services.
* Created INFORMATICA INTELLIGENT CLOUD SERVICES (IICS) Data Integration mapping Tasks, Synchronization tasks, Task Flows like Linear, Parallel, and Sequential with Decisions.
* Created INFORMATICA INTELLIGENT CLOUD SERVICES (IICS) Data Integration Hierarchical Schema, Saved Query, Mapplet-PC Import.
* Worked on INFORMATICA INTELLIGENT CLOUD SERVICES (IICS) Data Integration File List Sources, Indirect file mechanism, Microsoft **Azure** Client/Server-Side Encryption for Snowflake targets.
* Worked on Dynamic Source & Dynamic Target files in INFORMATICA INTELLIGENT CLOUD SERVICES (IICS) Data Integration Mappings.
* Worked on Pre-Processing and Post-Processing commands in Mapping tasks, Session Properties, Email Notifications, and Batch Schedule. Extensively worked on code migration from development box to various environments, create & manage Informatica reference data.
* Improved performance using Performance Tuning techniques.
* Experienced in data analysis, development, SQL performance tuning, data warehousing ETL process and data conversions.
* Performed - unit testing & provided the technical support to the QA Team in case of any defects or failures.
* On-Call/Production Support provided during daytime and off-hours.
* Actively participated in Install/Deployment plan meetings.
* **Environment**: SQL Server Management Studio, MS Access DB, Informatica Meta Data Manager ,Informatica intelligent cloud services ( IICS), AWS S3, AWS Redshift, Cloud Secure Agent, XML, Web Services, Rest API , Flat Files, Oracle 12c, PL/SQL, HP ALM, Autosys, MS Visio, Toad, Windows 10, UNIX putty, IP Switch, JIRA tracking Tool.

**Comerica Bank - Los Angeles, CA**

**Oct 2015 – July 2017**

**Data Engineer**

Comerica Incorporated is a financial services company headquartered in Dallas, Texas, strategically aligned into three major business segments: The Business Bank, the Retail Bank, and Wealth Management.

This project will allow Comerica Bank to fulfill Regulatory requirements associated with Liquidity Coverage Ratio (LCR) established by the Basel Committee on Banking Supervision.

The Liquidity Coverage Ratio (LCR) regulation requires Comerica Bank to develop functional strategies and tactics around Short Term Funding Sources and Limits, Liquid Assets Target, Liquid Assets Composition and Business Line Strategy. The rules also require Comerica to supply data to the Federal to ensure the Bank’s ability to fiscally cover a 21-day severe systemic liquidity stress scenario.

Responsibilities:

* Worked closely with the SME and BA to get an understanding of the business requirements.
* Worked in Agile Model, as a part of scrum team using the tracking Tool: Rally
* As a technical Lead, performed impact Analysis on the Change request (CR), to incorporate the modelling changes into Informatica mappings as per the Change requests.
* Managing onshore and Offshore team members to understand ETL Process and resolved the issues.
* Based on the STTM document, generated informatica mappings Autosys, config files, using the automated Code generation Tool.
* Implemented the ETL processes using Informatica tool to load data from various source systems (flat files, xml and database) into the target Oracle 11g database.
* Worked on Data Transformation Studio Plugin for parsing the source XML’s by mapping the Sourcing Locator Publication XSD and Target XD to the respective tables. Also validated the output results and deployed the package in a zip file thereby converting the unstructured data into structured format.
* Experience working with XML source files. And Upgraded MISMO and XSD file to Latest Version and loaded them in Data Studio transformation plugin for parsing the Source XML files.
* Performed Source to Target Mapping and Applied the transformation rules using various transformations like Joiner, Aggregate, Expression, Filter, update Strategy and Lookup’s which are required for Data extraction.
* Developed complex SQL queries and designed Informatica Mappings to load the data into warehouse.
* Actively performed data analysis, data mapping, data loading, and data validation.
* Inserted Metadata into MD Tables.
* Parameterized ETL rules and Derivations by storing into the Metadata tables.
* Implemented cucumber for automating the Jobs Execution of the AutoSys UNIX box to perform End to End testing from Souring to Cutover Vending and generating ECF files.
* Performed - unit testing & provided the technical support to the QA Team in case of any defects or failures.
* Responsible for communicating Client manager and server hosting/Operation support vendors in case of production load failures.
* Worked on Tokenization of Unix scripts for reusability across higher environments.
* Used Autosys job scheduler to create, schedule and monitor the jobs and send the Email Notification messages in case of process failures.
* Efficiently handled multiple projects during resource crunch.
* **Environment**: Informatica PowerCenter 9.6.1, Repository Manager, Designer, Data Transformation Studio, XML, Flat Files, Oracle 12c, PL/SQL, HP ALM, Autosys, MS Visio, Toad, Windows 8, UNIX, Rally

**HP Enterprise Services - Palo Alto, CA**

**July 2013 to Sept 2015**

**Senior Informatica Developer**

HP Enterprise Services is the global business and technology services division of Hewlett Packard's HP Enterprise Business strategic business unit.

An AMS Partner Aggregated Database (APAD) is to be built to support the specific needs of Next Gen AMS BI IT platform that enables the integrated AMS regional partner reporting of End user sales, In transit Inventory. It also provides the capability of integrating Latin America and North America databases as one view of Americas. This would help as a replacement for the future retiring of business owned assets and enrichment processes.

**Responsibilities**:

* As a Senior ETL developer, responsible for the fulfillment of various project tasks. Involved in the entire software development life cycle using agile methodology for data migration, writing stored procedures, product design documentation, code development and testing.
* Worked closely with Business Analysts, Subject Matter Experts from Business team and gather business requirements during scheduled meetings.
* As a part of development process, worked on developing Informatica mappings, mapplets, sessions, worklets and workflows.
* Created mappings to load data using Source Qualifier, Joiner, Sorter, Aggregator, Union, Router, Update Strategy, SQL transformation, Stored Procedure transformation, Expression, Connected and Unconnected Lookups.
* Involved in extracting data from different source systems, flat files and loaded them into standard Integration environment (target system).
* Developed the Informatica mappings using various transformations, Sessions and Workflows. Teradata was the target database, Source database was a combination of Flat files, Oracle tables, Excel files and Teradata database.
* Developed mappings to load Fact and Dimension tables, SCD Type 1 and SCD Type 2 dimensions and unit tested the mappings.
* Extracted data from Flat files, DB2 , Oracle, XML, and Loaded into Teradata data warehouse.
* Creation of customized Mload scripts on UNIX platform for Teradata loads
* Written several Teradata BTEQ scripts to implement the business logic.
* Worked extensively with the Teradata Query man to interface with the Teradata.
* Used Teradata Utilities (Fast Load, Multi Load, Fast Export). Queried the Target database using Teradata SQL and BTEQ for validation.
* Used Transformations like Look up, Router, Filter, Joiner, Stored Procedure, Source Qualifier, Aggregator and Update Strategy extensively.
* Involved in doing error handling, debugging and troubleshooting Sessions using the Session logs, Debugger and Workflow Monitor.
* In the Development Environment, performed Unit testing at granular level. Created test cases which would cover all the unit testing scenarios and uploaded them in HP ALM (Application Lifecycle Management).
* Performed troubleshooting and provided technical support to QA applications during Migrate to Production activities.
* Used Autosys for Scheduling, created various UNIX Shell Scripts for scheduling various data cleansing scripts and loading process. Maintained the batch processes using Unix Shell Scripts
* **Environment**: Informatica PowerCenter 9.0.1, Repository Manager, Designer, Oracle 11g, SQL Server 2012, XML Files, Flat Files, CSV files, Teradata, PL/SQL (Stored Procedures, Triggers, Packages), Business Objects, HP ALM, AUTOSYS, MS Visio, SQL Developer, TOAD, Windows 7, UNIX

**TIAA-CREF - Charlotte, NC**

**Sept 2011 – Jun 2013**

**Sr. Data Analyst / Sr. Informatica Developer**

**TIAA is one of the largest financial services companies which provides retirement income for professionals through fixed premium guaranteed deferred annuity contracts in the US.**

Responsibilities:

* Used Informatica as ETL Tool. Worked in all phases of Data Integration from heterogeneous sources, legacy systems to Target Database. Used IDQ, IDE for Data Analysis.
* Worked on Informatica Power Center tool–Source Analyzer, designer, Mapping and Mapplet Designer, Transformations, Informatica Repository Manager, Informatica Workflow Manager and Workflow Monitor
* Implemented Slowly Changing Dimensions - Type I & II in different mappings as per the requirements.
* Strong experience in using Informatica Workflow Manager and Workflow Monitor to schedule and monitor session status.
* Extensively worked with various Lookup caches like Static cache, Dynamic cache and Persistent cache.
* Worked with Session logs and Workflow logs for Error handling and troubleshooting in Dev environment.
* Responsible for Unit Testing of Mappings and Workflows.
* Responsible for implementing Incremental Loading mappings using Mapping Variables and Parameter Files.
* Responsible for determining the bottlenecks and fixing the bottlenecks with performance tuning.
* Implemented various loads like Daily Loads, Weekly Loads, and Quarterly Loads using Incremental Loading Strategy
* Extensive SQL querying for Data Analysis.
* Experienced in database design, data analysis, development, SQL performance tuning, data warehousing ETL process and data conversions.
* Responsible for Validation of Data as per the Business rules.
* Provided Production Support.
* **Environment**: Informatica PowerCenter 9.0.1/8.6, Repository Manager, Designer, Oracle 11g, SQL Server 2012, DB2, XML Files, Flat Files, CSV files, PL/SQL, TOAD, Windows, UNIX

**Cricket Communications - San Diego, CA**

**Sept 2009 – Aug 2011**

**Informatica Developer**

Cricket is a simple, affordable wireless service offering consumers and local businesses a flat-rate unlimited service over the latest technology, high quality, and all-digital wireless network.

Responsibilities:

* Interacted with business/end users to analyze business requirements & develop detailed requirement(s) document.
* Worked on Informatica Power Center Tool- Source Analyzer, Mapping Designer & Mapplets, and Transformations.
* Used Debugger in the Mapping Designer to troubleshoot logical errors.
* Created Workflows, re-usable Worklets and Sessions using the Workflow Manager.
* Performed Developer testing, Functional testing, and Unit testing for the Informatica mappings.
* Configured DAC –Data warehouse Administration Console for running of ETL jobs
* Conducted Performance tuning of application by modifying the SQL statements.
* Involved in Documentation regarding the ETL process.
* Coordinated with the offshore delivery team for the releases.
* **Environment**: Informatica Power Center 8.6.1, Informatica Repository Manager, Import Wizard, PL/SQL, Windows, Oracle 10g, Erwin 4.1, SAP, Flat Files, DAC (Data Warehouse Administration Console)