**Bhanuchander Vemula**

Sr. ETL Developer/Sr.Data Analyst Mobile: 512-649-4765

JP Morgan Chase & co E-Mail: bhanuchandervemula12@gmail.com

Ex Cognizant Technology Solutions Employee

Ex Tata Consultancy Services Employee

**PROFESSIONAL SUMMARY:**

* Currently working with JP Morgan Chase & Co for the past 2 years 3 months (Full Time) in Software Engineer III role. Previously worked with Cognizant Technology Solutions around 3.5 Years (Full Time) in a Sr. Associate role and with Tata Consultancy Services for around 7 Years (Full Time) in an IT Analyst role.
* 13 plus years of IT experience in Data Warehouse, Data Analysis, Application Development, and Business Intelligence with ETL tools Informatica Power Center 10.4.1/10.2.0/9.5.1/9.0.1/8.6.1/8.5.1.
* Strong technical exposure with a good degree of competence in business systems such as Health Insurance, Financial, Banking, Manufacturing, and Telecommunications.
* Good understanding of Star and Snowflake Schema, Dimensional Modeling, Relational Data Modeling, Erwin 7.2/4.x, Microsoft Visio 2003.
* Good flexibility in the design of strategies for ETL mechanism using Informatica Power center that involves the development of data warehouses, OLAP.
* Involved in Activities like Code Migration, Creating and Restoring Repository Backups
* Good Knowledge of applying rules and policies using ILM (Information Life Cycle Management) workbench for Data Masking Transformation and loading into targets.
* Extensively worked on Power Center client (Repository, Designer, workflow manager, and Workflow Monitor) to extract, transform and load data.
* Designed mappings using Informatica Union, Lookup (Connected, Unconnected, Persistence, Dynamic and Static), Unstructured Data Object (B2B), Update strategy, expression, Transaction Control to create dynamic file names, Aggregator, Joiner, Expression, Router, XML, Parse, SQL transformer, and Normalizer Transformations.
* Developed common logic using Reusable transformations, mapplets and worklets.
* Developed and tested complex mappings for Slowly Changing Dimensions Type I, II (Flag and time stamp) and Change Data Capture based on requirements
* Extensively used Informatica to load data into ODS, Data Warehouse on the integration of various sources that involve relational databases-Oracle 12c/11g/10g/9i, MS SQL Server 2008/2005/2000, flat files, XML system.
* Efficient in troubleshooting bottlenecks, performance tuning of mappings, Debugging, System Testing, and Optimization of ETL.
* Responsible for Production Support to resolve the ongoing issues and troubleshoot the problems.
* Experience in Task Automation of Pre-Session and Post-Session UNIX scripts (Korn) using Control-M schedulers and Performed data migration from development to QA, Test Process, Move to PROD and maintain ETL process in coordination with supervisor, team members, and users.
* Proficient in parameterizing DB connections, file paths, and error handling and interacted with Informatica server from command mode using PMCMD command.
* Involved in all aspects of ETL- requirement gathering, coming up with standard interfaces to be used by operational sources, coming up with data load strategies, designing and developing various mappings, unit testing, integration testing, regression testing, and UAT in development.
* An Energetic, flexible, well-organized, self-motivated fast learner with minimal supervision, good listener, independent and team-oriented, process-focused professional in various team sizes performing cross-functional roles in a fun-filled, challenging environment.
* Excellent analytical, problem-solving, communication, and interpersonal skills, with an ability to interact with individuals at all levels.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Data Warehousing ETL | Informatica Power Center10.5.6/10.4.1/10.2.0/9.5.1/9.0.1/8.6.1/8.5.1,Informatica Intelligent Cloud Services (IICS) |
| Data Modeling | Relational Modeling, Dimensional Modeling (Star Schema, Snow-Flake, Fact, Dimensions), Cardinality, ER Diagrams, ERWIN 7/4.0/3.0, MS VISIO 2000. |
| Databases | Oracle 12c/11g/10g/9i, MS SQL server 2000/2005/2008, MS Access |
| Programming | Python,R,SQL, PL/SQL, Unix , SQL Tuning/Optimization , C, C++ |
| Tools | TOAD, SQL Developer, WinSCP, Putty, Tableau,Cognos Framework Manager, Hyperion, Excel, Word, PowerPoint, Autosys, Control-M, Erwin 3.5.2/4.0, Jules CI/CD,Jenkins |
| Operating System | Linux, Windows 10/7/95/98/NT/2000/2003/XP/Vista/Server. |
| Cloud Platform | Snowflake, AWS S3, EC2,Glue, Redshift and IAM |

**EDUCATION:** Bachelors from Jawaharlal Nehru Technological University, India.

**Learnings:** Snowflake, Machine Learning, alteryx, Informatica Intelligent Cloud Services (IICS) and

AWS Cloud Services

**Certifications:** AWS Certified Cloud Practitioner

**PROFESSIONAL EXPERIENCE**:

**JP Morgan Chase & Co , Plano, TXNov 2022-Current**

**Sr.ETL Developer**

JPMorgan Chase & Co. is a leading global financial services firm with operations in investment banking, commercial banking, asset management, and technology-driven financial solutions. As a Fortune 500 company, JPMC is at the forefront of innovation, leveraging cutting-edge technology to enhance banking services, optimize financial strategies, and deliver secure, scalable solutions to millions of customers worldwide.

CMS Data Integration is a Extract Transform, Load application that uses Informatica to move data between multiple heterogeneous sources and targets. Provide data to various systems within Merchant Services used for Merchant Transaction Billing. Merchant reporting, Internal Analytics and Reconciliation. Most of Merchant Service Applications are associated with this application as some act as source, some as targets and some as both. This application feeds data from one system to another in Merchant Services based on their specific requirements. This involves domain, transaction, billing, chargebacks, Post Deposit Events, Derived Aggregates and Reporting data.

**Responsibilities:**

* Involved in all phases of SDLC from requirement gathering, design, development, testing, Production, user training and support for production environment.
* Participate in design sessions to convert user requirement into technical requirements and involved in preparing low level and high level design documents.
* Create new mapping designs using various tools in Informatica Designer like Source Analyzer, Warehouse Designer, Mapplet Designer and Mapping Designer.
* Develop the mappings using needed Transformations in Informatica tool according to technical specifications
* Created complex mappings that involved implementation of Business Logic and sending data to different applications
* Worked with Different File Formats like CSV, Fixed width, Delimited file and XML files as source, target and Lookup.
* Used Informatica reusability at various levels of development.
* Developed mappings/sessions using Informatica Power Center 10.4. for data loading.
* Performed data manipulations using various Informatica Transformations like Filter, Expression, Lookup (Connected and Un-Connected), Aggregate, Update Strategy, Normalizer, Joiner, Router, Sorter and Union.
* Developed Workflows using task developer, Worklet designer and workflow designer in Workflow manager and monitored the results using workflow monitor.
* Created Sessions and extracted data from various sources, transformed data according to the requirement and loading into data warehouse.
* Used Informatica Debugger to troubleshoot logical errors and runtime errors.
* Performed Unit testing, Integration testing and System testing of Informatica mappings
* Created new control M jobs to schedule informatica workflow runs or for calling unix commands
* Optimizing performance tuning at source, target, mapping and session level
* Participated in weekly status meetings, and conducting internal and external reviews as well as formal walk through among various teams and documenting the proceedings.
* Helped the other team members whenever needed help and resolve blockers.
* Worked with Agile methodology and attended stand-ups,Planning and Retrospective activities
* As part of IICS POC, tried to convert informatica mappings into IICS mappings (Snowflake DB) and successfully completed the POC .

**Environment**:InformaticaPowerCenter10.5.6/10.4.1,Oracle12c(Toad),Putty,Unix,JulesCI/CDPipelines, Bitbucket, JIRA ,Control-M , Jenkins and Informatica Intelligent Cloud Services (IICS POC) and Snowflake (POC)

**McKesson, Irving, TXApr 2022-Nov 2022**

**Sr.Data Analyst/Sr.ETL Developer -** **Cognizant Technology Solutions**

McKesson Corporation is an American company distributing pharmaceuticals and providing health information technology, medical supplies, and care management tools. McKesson distributes health care systems, medical supplies and pharmaceutical products. Additionally, McKesson provides extensive network infrastructure for the health care industry also, it was an early adopter of technologies like barcode scanning for distribution, pharmacy robotics, and RFID tags.

McKesson Medical and Surgical (MMS) Team wants to proactively manage the impacts of temperature excursion incidents, in light of recent product recalls triggered by temperature excursions. One of the identified gaps is the lack of availability of a comprehensive and reliable database with temperature tolerance of products. The different gaps in existing data include (but not limited to): No product profile, Missing or incomplete tolerance info for the product, Wrong product category etc. Risk based prioritization - The top priority among the product categories is Rx drugs, followed by class III devices, OTCs, Class II devices.

**Responsibilities:**

* Involved in full life cycle development including Design, ETL strategy, troubleshooting Reporting, and Identifying root cause of the problem.
* Prepared the required application design documents based on functionality required Designed the ETL processes to load data from Oracle, Flat Files (Fixed Width), and Excel files to staging database and from staging to the target Oracle database.
* Involved in cleansing and extraction of data and defined quality process for the products.
* Created Python scripts to get the required data from xml file to excel for data gathering.
* Documented ETL test plans, test cases, test scripts, test procedures, assumptions, and validations based on design specifications for unit testing, system testing, expected results, preparing test data and loading for testing, error handling and analysis.
* Strong Experience on writing SQL Queries, Stored Procedures in Oracle Databases.
* Developed shell scripts, SQL procedures, for creating/dropping of table and indexes of performance for pre and post-session management.
* Created documentation on mapping designs and ETL processes.
* Created and scheduled Sessions, Jobs based on demand, run on time and run only once using , Workflow Manager.
* Developed Logical and Physical data models that capture current state/future state data elements and data flows using Erwin.
* Designed new database tables to meet business functionality needs. Designed Mapping document, which is a guideline to ETL Coding.
* Worked closely with Business Analyst and DBAs in understanding the Databases and Structures
* Created weekly status reports to the client about the project progress.

**Environment**: Informatica Power Center 10.4.1, Python, Oracle JD Edwards EnterpriseOne, Flat Files, SQL, TOAD 13.1, Putty, Winscp, Jupyter Notebook, Power BI.

**Kaiser Permanente, Denver, CO Jan 2019- Mar2022**

**Sr ETL Developer - Cognizant Technology Solutions**

Kaiser Permanente Founded in 1945, Kaiser Permanente is recognized as one of America's leading health care providers and not-for-profit health plans. It currently serve 12.3 million members in 8 states and the District of Columbia. ... They are dedicated to care innovations, clinical research, health education, and improving community health.

EEDM [External Encounters Data Mart] acquires Claims data from the Source system [CRDS Base], applies business rules and prepares business-specific data models to support the analysis of claims data. EEDM was previously known as All Claims, Claim Lines, as well as MCA’s (Medical Cost Analytics’) Base layer. It provides an encounter view of external claims data including the capability of drilling down to claims detail, linking professional claims with facility encounters, and identifying readmissions and membership data is also included. The EEDM project (Phase I) is a re-factoring of current SAS processes into faster, more sustainable architecture in Oracle. The primary benefits are improved reliability and data load time which serves as the foundation on which future expansion may occur. A BI Presentation Layer has been built on top of EEDM in Cognos and provides the business the ability to view information outside of SAS and simplify the process for business users to get answers to their questions.

**Responsibilities:**

* As an ETL Tech lead, lead the ETL development for enhancements in the Insurance Data warehouse.
* Working closely with the business users to understand the requirements and converting them into project level technical capabilities.
* Worked with business analysts to identify the appropriate data elements for required capabilities.
* Update the status and plan the releases through the scrum meetings.
* Coordinating with offshore team and providing the inputs.
* Worked with source teams to find out the source team changes.
* The project involved developing mappings for moving data from Flat files to Staging Area (STG) and then to Data Warehouse (DWH) and then to Data Mart.
* Developing the ETL detail design documents for each target tables (Fact and dimension tables).
* Creating primary objects (tables, views, indexes) required for the application
* Designing ETL jobs. Used Informatica as ETL tool.
* Designed and developed complex mapping for varied transformation logic like Expression, Filter, Aggregator, Router, Joiner Update Strategy, Unconnected and Connected lookups
* Used Informatica Debugger to troubleshoot logical errors and runtime errors.
* Designed and developed common modules for error checking (e.g. to check if the reject records output file is empty and to check if there are duplicate natural keys in a given table.)
* Performed the tuning at source, Target and informatica mappings using Indexes, Hints and Partitioning in Oracle 12c and Informatica.
* Prepared Test Plans for Unit test and System Integrated testing of Informatica Session and Workflows.
* Co-ordinate with the QA team in various testing phases by resolving the defects and ensuring smooth execution of the test plans.
* Creating the deployment documents and migrating the code to the production environment.
* Investigating and fixing the bugs occurred in the production environment and providing the on-call support

**Environment**: Informatica Power Center 10.4.1 and 10.2.0 , Oracle 12c and 11g, Flat Files, SQL, TOAD 13.1, Putty,Winscp, SVN (Tortoise SVN), Autosys, IBM Cognos framework manager 11.0, Windows 10.

**Transamerica, Cedar Rapids, IADec 2017-Jan 2019**

**ETL Developer – Tata Consultancy Services**

The Transamerica Company provides services primarily for insurance and financial services. Types of health and life insurance policies offered include term life , whole life, universal life, variable universal life, accidental death, medical supplement and long-term care. The Money services initiated a transformation program to migrate its legacy insurance platform to a state-of-the-art platform with the objective of bringing operational efficiency and thus reducing overall run cost.

**Responsibilities:**

* Design and develop enterprise Data warehouse and Datamart models, Logical Data models, and Physical Data Models.
* Dimensional model creation, detailed solution design document, and technical specification document creation
* Data quality and profiling, advises on data quality issues, Provides analysis on data collection, mapping, aggregation, and balancing functions.
* Need to implement Slowly Changing Dimensions to keep the history changes.
* Design and develop Source to Target Relationships using Informatica mappings of various transformations like filter, expression, rank, router, aggregator, joiner, lookup, and update strategy
* Developing Mappings, Define Workflows &Tasks, Monitoring Sessions, Export & Import Mappings and Workflows and Backup , Recovery
* Experience in performance tuning of multiple Sources, Targets, Mappings, and Transformations & Sessions.
* Worked closely with Business Analyst’s and DBA’s in understanding the Databases and Structures used in the environment of star schema based data model with dimensions and facts.
* Designed, developed, and tested mappings/sessions/workflows to move data from source to staging to a warehouse in a complex industry.
* Used Shell scripts to pre-process data in UNIX.
* Designed and developed Informatica mappings for data load and data cleansing.
* Employed Change Data Capture (CDC) mechanism for SCD type 1 & type 2 mappings using dynamic lookup, Joiner, Router, Union, Expression, and Update Transformations.
* Worked on identifying Mapping Bottlenecks in Mappings and improved session performance by including partition points, modifying target load order, and emphasizing more on SQL override in place of Joiners and Lookup transformations.
* Created Mapplets, and Parameter Files wherever necessary to facilitate reusability of business logic.
* Performed performance tuning on Informatica sessions, batches, and other related scripts.
* Developed pre-session and post-session scripts using UNIX and scheduled the workflows using PMCMD command and extensively applied SQL programming skills in optimizing the session performance.
* Implemented design improvements to increase the scalability of the target data mart to avoid duplicate records. These included the increased parallelism to allow sessions to be spread across all available processors. This scalability proved crucial in allowing enterprise-wide usage of the data mart.
* Configured and scheduled DAC tasks as a part of loading DEV, UAT, and PROD Data warehouse.
* Involved in Version Control and Migration of repository from DEV to UAT Environment.
* Ensured that system testing and change management procedures are followed with an ability to prioritize and manage multiple tasks with effective time management skills.

**Environment:** Informatica Power Center 9.5.1, UNIX, OBI DAC 10.1.3.4, Oracle 10g/9i, SQL Server 2005/2008, Windows 2003 server, SQL Developer, Microsoft Visio.

**Toyota Financial Services. Torrance, CA Apr 2017 –Dec 2017**

**ETL Developer -** **Tata Consultancy Services**

Toyota Financial Services is a leading financial service and insurance products company. Toyota Motor Corporation of Japan is the parent of TFS. TFS provides automotive financial services and insurance products to Toyota and Lexus dealers and provides indirect financing and leasing services to consumer and business customers through participating automobile dealers in the United States in order to enhance sales and revenues of Toyota and Lexus vehicles and parts.

TFS is the third largest captive finance company, and the seventh-largest finance company, in the

The United States. TFS currently employs over 2,700 associates in 33 offices nationwide and has

managed assets totaling over $40 billion. TFS also has ownership interests in Toyota finance

companies located in Puerto Rico, Brazil, Argentina, Mexico, and Venezuela.

**Responsibilities:**

* Requirements gathering from business analysts and responsible for populating the business rules using mappings into the Repository for Meta Data management.
* Performance tuning in the context of dimensional design by creating Mini Dimensions thus providing smaller entries into the Fact table.
* Flattening out Many to Many relations by creating bridge tables as in the case of account and customer dimension tables.
* Carrying out ETL, monitoring jobs, fixing issues and tracking tickets etc Scheduling of jobs &  Responsible for Monitoring of Jobs and re running if gets aborted.
* Experience in supporting and communicating with onsite/offshore team.
* Extensively used ETL and Informatica to load data from Oracle, MS SQL Server, and flat files into the target Oracle database.
* Implemented various Transformations like Joiner, Aggregate, Expression, Lookup, Filter, Update Strategy, Stored Procedures, Router, etc.
* Worked on Informatica Power Center tool - Source Analyzer, Data warehousing designer, Mapping & Mapplet Designer, and Transformation Designer. Development of Informatica mappings and also in the tuning of mappings for better performance.
* Used Informatica features to implement Type I & II changes in slowly changing dimension tables. Created and ran workflows and Worklets using Workflow Manager to load the data into the Target Database.
* Integrated Redshift with BI tools like Tableau and Power BI for real-time analytics.
* Actively participated in resolving Email tasks working on priority and non-priority issues of employee’s profiles and figuring out those issues through mappings.
* Optimized/Tuned mappings for better performance and efficiency. Performance tuning of SQL Queries, Sources, Targets and sessions.
* Maintained warehouse metadata, naming standards and warehouse standards for future application development.
* Developed UNIX scripts to automate different tasks involved as part of the loading process and scheduling and performed Unit Testing on the mappings.

**Environment:** Informatica Power Center 9.5.1/7.1, Oracle 10g/9i, MS SQL Server 7.0/2000, IBM DB2/400, Flat files, SQL, SQL\*Loader, ERWin 3.5, Toad 7.0, Windows 2000, Unix Shell Scripting,OBIEE reporting tool.

**Hyundai Capital, Irvine, CA Sep 2013 – Apr 2017**

**ETL Developer - Tata Consultancy Services**

Hyundai Capital Services (Hyundai Capital) is a South Korean consumer finance company providing a range of auto financing, auto leasing, personal loan and home mortgage products. It was established in 1993. The company is a joint venture between Hyundai Motor Company and GE Capital. Hyundai Capital is one of the largest providers of auto financing in Korea, and it also plays a major role in the auto lease market around the world. Hyundai Capital America (HCA) is the sole U.S. financing arm for Hyundai Motor America and Kia Motors America. Hyundai Capital America (HCA) continues to experience financial and operational success, growing from a $12.5 billion company to an $18 billion company solely in 2012. The developed software is used for reporting, business analysis, and decision making.

**Responsibilities:**

* Involved in Requirement Gathering, Design & Development, Testing and Documentation.
* Worked with Business Analyst and Architect to analyze data and document Functional aspects.
* Participated in scrum meetings to discuss the status of the everyday development.
* Designed and created Mappings, Sessions and Workflows using Informatica PowerCenter Tools to load the data from Sources such as Oracle, XML Flat Files into various targets.
* Developer the ETL processes to handle complex business logic for high volume data loads using various transformations such as Aggregator, Sorter, Filter, Normalizer, SQL Transformation, Lookup, Joiner, Router, Union etc.
* Processes to generate Daily, Weekly and Monthly data extracts were developed and the data files were sent across to the downstream applications.
* Used Source Qualifier & Lookup SQL overrides, Persistent caches, Incremental Aggregation etc for better performance.
* Defined and used Mapping Parameters and Parameter files to provide values dynamically at session run time.
* Defined and used Mapping Variables to capture changed data from the source tables.
* Created sessions to use pre & post session SQL commands to drop & create indexes on tables for better performance.
* Used Event wait Task, Control Task, Email Tasks, Command Tasks and Link conditions in workflows.
* Write PL/SQL procedures which are called from Stored Procedure transformation to perform database actions such as truncate the target before load, delete records based on a condition, rename the tables etc.
* Used Oracle SQL Loader utility to Bulk Load data from flat files into database tables.
* Created & modified Unix Shell scripts.
* Provided data loads for QA testing and worked on resolving the defects.
* Performed Informatica code migrations.
* Created Technical Design documents, Test Cases documents and Application work books.

**Environment:** Informatica Power Center 9.5.1/9.0.1, Oracle 12c/11g, Oracle SQL Developer, Flat files, XML Files, MS Visio, Toad 7.0, Windows 2000, Putty, Power Exchange 9.0.1., 9.5.1,Hyperion

**CenturyLink Hyderbad,India Nov 2011- Sep 2013**

**Informatica ETL Developer -** **Tata Consultancy Services**

Data Warehouse Operational Readiness:

CenturyLink (NYSE: CTL) is global communication, hosting, cloud, and IT services company enabling millions of customers to transform their businesses and their lives through innovative technology solutions. CenturyLink offers network and data systems management, Big Data analytics, and IT consulting, and operates more than 55 data centers in North America, Europe and Asia. The company provides broadband, voice, video, data, and managed services over a robust 250,000-route-mile U.S. fiber network and a 300,000-route-mile international transport network.

Data Warehouse Operational Readiness Program will provide a central repository of data currently spread across multiple legacy data warehouses and mart environments. Each of these environments was implemented to legacy requirements failing to align with post-Century Link and Qwest merger business processes.

**Responsibilities:**

* Analyzed source data and gathered requirements from the business users.
* Prepared technical specifications to develop Informatica ETL mappings to load data into various tables confirming to the business rules.
* Extracted data from source systems to a staging database running on Oracle.
* Worked on Power Center client tools like Source Analyzer, Warehouse Designer, Mapping Designer, and Transformations Developer.
* Developed mappings with transformations and mapplets confirming to the business rules.
* Processed session data using threads and various tasks (session, command, etc.), scheduled workflows, and managed DSN connections.
* Created shared folders, and local and global shortcuts to reuse metadata.
* Tuned performance of Informatica session for large data files by increasing block size, data cache size, sequence buffer length, and target-based commit interval.
* Used Informatica repository manager to backup and migrate metadata in development, test systems.

**Environment**: Informatica Power Center 8.5.1, SQL Server 2000, Flat Files, SQL, TOAD 8.0, Oracle 9i, Windows 98/2000*.*