**Vinay Kumar**

**ETL Architect**

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**PROFESSIONAL SUMMARY**

* 15+ Years of Experience in Design, Development & Administration using Informatica ETL tool.
* Extensively worked on Informatica tools like **IDMC(CDI, CAI, CDQ, MDMSaaS and CDGC),**Power Center, Developer client, Analyst tool.
* Expert in Installation & configuration of **IICS, Power Center**, Informatica Data Quality **(IDQ),Informatica Intelligent Data Management Cloud (IDMC SaaS), C360, P360,** Informatica **(MDM),Address Doctor**, **Axon,(ILM), TDM,Data Vault& Data Archive**.
* Expert in **Upgrades**, applying EBF's and hotfixes, Implemented Dual node using **HA & Grid** concepts.
* Expert in data integration of various sources like **Salesforce**, **SAP**, ERP platforms, **Netezza**, Oracle, SQL Server,Flat files, and other **API’s**
* **As anArchitect, I worked closely with Data Governance team, Reporting Teams, and Business users.**
* Worked with traditional structured, semi-structured and dynamic schemas such as **XML, JSON.**
* Extensive development experience in implementing **SCD** types using Informatica tools and Migrations using relational manager.
* Experience in **Metadata manager tool**&**EDC**to create and understand the data lineage between Source and targets systems.
* Experience in **Informatica Data Discovery** and **Business Glossary**.
* Strong Knowledge in **AWS, Azure Data Factory/Azure Data bricks, Spark/PySpark.**
* Strong experience in **Windows server, UNIX,**and **Linux Platforms**.
* Apart from Informatica scheduler, Used 3rd party Schedulers like **Redwood, Tidal, Ctrl M**, and **ESP Scheduler**.

**TECHNICAL SKILLS**

**Operating Systems:** Window Server 2019/2016 DC/2012/2008/2003, IBM AIX 6.1, Red Hat Enterprise.

**ETL Tools:** IDMC**,** IICS, Informatica 10.x/9.x/8.x (IDQ & Power Center), PIM**,**Informatica Power Exchange 9.x/8. x.

**Programming Languages:** SQL, PL/SQL, UNIX, and PowerShell Scripts.

**Relational Databases:** Netezza, Oracle 19c/12c/11g/10g/9i, MS SQL Server 2018/2016/2014/2012/2008/2005

**Applications:** Salesforce, SAP, ncino, UltiPro, Prisma One API and other API.

**Cloud:** IDMC, Microsoft Azure, AWS

**Reporting Tools:** SAP BO, Tableau, PowerBI,**MicroStrategy**, and SSRS.

**EDUCATION**

* Masters in electrical engineering (Lamar University, Beaumont, TX, USA) 2008.
* Bachelors in Electronics Instrumentation Engineering (JNTU, TG, India) 2006.

**PROFESSIONAL EXPERIENCE**

**SWN Production Company LLC, Houston, TX. (Nov’23-Present)**

**ETL Architect**

* As **ETL Architect**, I organize all the documentation and user stories in **Azure DevOps.**
* Worked on Informatica Cloud **(IICS – CDI& CAI Service)**for processing the data on API platforms like **Microsoft (D365, A365)**, **Salesforce** objects and Enterprise Platform like **Starburst**.
* Worked on Informatica Intelligent Data Management Cloud **(IDMCSaaS) C360, P360** to connect, unify and democratize our data to advance the business outcomes.
* **Worked on Architect activities likePlatform Maintenance, code reviews, Deployments, Production support and improving the performance issues.**
* **Upgraded Informatica (Power Center and Data Quality Services) from 10.2 to 10.5 using Parallel.**
* Maintained version control for IICS objects usingContinuous Integration and Continuous Deployment **(CI/CD)** tools such as**GitHub.**
* On premise **Power Center** servers and including cleanup & automating the purging process.
* Performed activities like analyzing the current GTIN14code and documenting the **data lineage** between the systems with **Azure Data bricks**.
* Involved in the **EBS** to **Enertia** Systems migration, updating integrations using Informatica **IDMC (CDI, CAI, CDQ, MDM SaaS and CDGC)**instead of **Power Center.**
* Developed the new code for extracting the data from enertia and load into various environments like **Salesforce and Snowflake.**
* Created staging tables in **BYODB** under Azure SQLDB to extract the data from **Microsoft (D365, A365)** to **Salesforce** objects.
* Collaborated closely with cross vendors like **Microsoft (D365, A365), MuleSoft, Starburst**& **Salesforce** teams.
* Created Reports in **Salesforce** to verify the orders and orderitem objects.
* Used salesforce inspector (a chrome extension) with Data Export option to valid the data in various objects (like Accounts,Products,Assets)
* Upgraded the **Tidal** scheduler server environments.
* Administered both Power Center and **IICS** along with Tidal scheduler environments.
* Scheduled **IICS, Power Center, MDM & FTP jobs** in **Tidal** and deployed to higher environments.
* Design and developed the approach to **migrate the ETL jobs** from Informatica on premises **(Power Center)** to cloud **(IICS).**
* Single point of contact for all Informatica related tasks during **Development, Go Live & Production support.**
* Currently supporting the **Hyper care** of the project.

**Environment:** IICS, Power Center 10.5, SSMS v18.6, WinSCP v 5.21.5, Snowflake Classic Console,Microsoft (D365, A365), Salesforce

**Ergon, Inc. Jackson, Mississippi. (Aug’23-Nov’23)**

**IICS Architect**

* **As an Architect, my design and development approach were to create Template driven reusable components and mapplets.**
* **Performed Architect activities like installing and configuring the runtime environment.**
* **Created and managed connections, users, and groups.**
* Developed integrations using Informatica **(IICS-CDI &CAI Service).**
* Worked with MSSQL, **SAP, AWS, and Salesforce systems**.
* Rebuild the code from **(DELL) Boomi** to IICS Data Integration.
* Worked on other Informatica tools like**IDMC (CDI, CAI, CDQ, MDM SaaS and CDGC).**
* Worked with traditional structured row store data, semi-structured like GTIN14 code and dynamic schemas such as **XML, JSON.**
* Used CDI-**-Elastic configuration** assets like **Synchronization task, Dynamic Mapping Task, Mapplet-SAP IDOC, Linear Task flow, Parallel Tasks with Decision, Business Services, Hierarchical Schema, Intelligent Structure Model and File Listener.**
* And Components like**Hierarchy Parser & Builder Transformation, Web Service transformation, Passing in-out parameters and Performance Tuning**
* UsedCAI components like **Process (System Service, Create Connection), Service Connectors, and App Connection** for real-time data integrations.
* Used **Managed API** process within **API Portal/Manager** including roles definition.

**Environment:** Informatica Intelligent Cloud Services (CDI & CAI), SSMS v19.1, Postman(v10.18), WinSCP v 6.1.1

**Daimler Trucks-DDC, Detroit, MI. (May’21-July’23)**

**ETL Architect (Team Lead)**

* Partner with data stewards and analysts to provide summary results of data quality analysis to make decisions regarding how to measure business rules and quality of the data.
* As an Architect, Involved in Designing, developing, testing, deploying, and documenting data quality procedures / mappings and outputs that will run in a scheduled, batch, or real-time environment.
* Design and development of Golden Gate tool for Oracle/Microsoft SQL Server RDBMS replications and **ODM/ODS** solutions.
* Experience translating business rules into code and developing them in **IDMC (CDI, CAI, CDQ, MDM SaaS and CDGC).**
* Experience developing profiles and scripts for the execution and testing of mappings and workflows to implement data stewardship and **exception monitoring and handling process.**
* Performed administration activities on **MDM** Master data management.
* Created and managed Users, Security groups and understand User, System-defined roles.
* Implement data quality processes including **data profiling, translation, parsing, analysis, standardization, verification, matching, and enrichment** at point of entry.
* Worked on GTIN14 barcodes for Customer Reporting and Reconciliation projects.
* Daily routines include working on coding design, unit testing, release procedures and documentation protocol as well as change management procedures.
* Primary contact for Production issues. Providing support using offshore and onshore model.
* Other activities include optimizing complex queries, writing **UNIX** shell scripting.
* Using **Control-M** as a scheduling tool.
* Micro strategy, Tableau **and PowerBI** for data visualization.
* Used Data Governance tool like CDQ for cleansing the data.

**Environment:** Informatica Power Center/Data Quality 10.5/10.2, SSMS v18.7.1, Oracle19c, SQL Developer Version 20.4.1.407, WinSCP v5.19.1

**Ryder Systems Inc., Medley, FL (Mar’20-May’21)**

**ETL ARCHITECT**

* Worked on Project Unify that will modernize, streamline, and consolidate over ten disparate applications like (HR, Finance, IT transformation) into a singular, user-friendly platform enabled by Workday for Ryder.
* **As an ETL ARCHITECT, I involved in Project design, development & documentation of Project Unify.**
* **On daily basis, I gather the requirements, create the STTM or functional Specs, and assign them to my team through emails and meetings. Help them during the development process, resolve any issues and review their code upon completion.**
* Used **Snowflake** for ELT Processes. Involved in the migration of Databases from Netezza to **Snowflake**
* Made sure that code follows the standard and pass through all the unit test cases.
* Deployed the code to higher environments using deployment groups.
* Not just on the new projects, as a senior ETL expert, I worked on existing codes to optimize or to enhance its performance using various tuning techniques based on the bottleneck/issue.
* **Expert in Complete (End-to-end) process, starting from gathering the requirement, analyzing it, Designing, Develop the code, Review the code, Test the code and upon successful deploy the code to the production. In addition, I worked on varies tasks from simple (straightforward) to complex business logic.**
* Apart from Power Center, we do use **MDMSaaS**(**C360, P360)** to deduplication of the customer data and load into Oracle. From there I process the data similar as above using Informatica Power Center (ETL) tool to load into our DWH servers in **Netezza.**
* Provided technical expertise in Informatica **MDM**User Exits, Match/merge Rules, HM, IDD, E360, C360, BES, SIF
* Produced Low Level Design Document to Develop **MDM, to convert UPC to GTIN14** standardsmeeting technical specifications and business requirements according to the established designs
* Actively participated in bi-Weekly Rotation of ‘on call’ as a Production support.
* Worked on developing UNIX scripts for data cleansing and data archiving to automate the file move process or to archive the processed files and to purge the expired files.
* As part of the Data Services team, I work on data from Relational Data Warehouse (RDW), Enterprise Data Warehouse (EDW), DataMart’s, Operational Data Store (ODS), Transactional Data, Analysis Data and Standardized data withInformatica Intelligent Data Management Cloud **(IICS) CDI, CAI.**
* ReviewIDD, TDMand MDM unit tests and walks through code with developers.
* Implemented and documented **data** architecture and **data modeling** solutions, which include the use of relational, dimensional, and NoSQL databases.

**Environment:** IICS, Power Center 10.1.1 HF2, SSMS v18.6, WinSCP v 5.21.5, Snowflake Classic Console, Salesforce LDS Release 2.23.2.

**Spirit Airlines Inc., Miramar, FL. (May’19-Mar’20)**

**Sr. ETL consultant (Lead)**

* Upgraded Informatica (Power Center and **Data Quality Services**) from 10.1.0 HF1 to 10.2.0 HF1 as well as configured Address doctor.
* Configure the Informatica in Windows 2016 VM with Dual Node Cluster to support **HA & Grid.** Created Shared file system for Infa shared availability to work on dual node.
* Worked with Windows team on partitioning the drives & configured the page file.
* Maintained& monitored the Informatica Real-time jobs like Booking Confirmation, Boarding Pass, and Flight Status Notification that are scheduled to run continuously.
* Experience using Integration Platform as a Service **(iPaaS)** such as Informatica Intelligent Cloud (IICS).
* Installed and configured the secure agent in our on-premises server.
* Experience in developing integrations using Informatica Cloud Data Integration (IICS – CDI**-Elastic configuration**& CAI Service).
* Experience in connecting APIs like Salesforce (SFDC)
* Good understanding of API behavior, security, paging.
* Used IICS to extract data from third party vendors like UltiPro Cloud (which is in Salesforce Platform) to load into SQL databases and vice-versa.
* Developed new ETL Processes using Informatica Data quality and Power center. Along with performance,tuning on existing jobs to optimize.
* Created complex mappings using http transformations, **Web Services provider**, SQL transformations that calls the APIs of third-party vendors like Oracle Responsys and Levarti.
* Used Unstructured, xml parser transformations for **Data Transformation (DT**).
* Used Session Partitioning and Pushdown Optimization techniques to improve the job efficiency.
* Worked on **Metadata manager** to create and understand the data lineage between Source and targets systems.
* Primary contact for all Informatica operations, Production Support, and questions.
* Performed routine maintenance like cleanups, purging old objects, Domain, and Repository backups.
* 24/7 production support including Troubleshooting the failed jobs, escalating/ the issues/tickets to Informatica, Microsoft, Oracle Responsys, Levarti and Navitaire.
* Extracted data from **AWS** transformed in **Azure Databricks**and uploaded into the SumTotal.
* Worked on developing Unix PowerShell scripts for file moves and data archiving.
* Created complex reports using MicroStrategy tool.

**Environment:** Informatica Power Center/Data Quality 10.2/10.1, IICS, SSMS 2018/2016, Windows 2016/2012.

**Bayview Asset Management LLC, Coral Gables, FL. (Oct’14 – Apr’19)**

**Sr. ETL Administrator & Developer**

Provide Data Services, innovative solutions, tools, and systems that help BAM and its associate companies like Bayview Loan Servicing, Lakeview Loan Servicing LLC, and Silver Hill Funding LLC to successfully execute its business strategies.

* Worked on Informatica Cloud **(IICS)** for processing the data on API platforms like Salesforce (SFDC), Zoho CRM and Pardot.
* Upgraded Informatica (Power Center and Data Quality Services) from 8.6.1HF3 to 9.0.1/9.6.1 HF3 and later from 9.6.1 HF3 to 10.1.1 HF1.
* Experience using Integration Platform as a Service (iPaaS) such as Informatica Intelligent Cloud (IICS). Installed and configured the secure agent in our on-premises server.
* Experience in developing integrations using Informatica Cloud Data Integration (IICS – CDI & CAI Service).
* Used IICS to extract data from third party vendors like ncino (which is in Salesforce Platform) to load into SQL databases and vice-versa.
* As an**Administrator**,actively worked with **Data Governance** Team to do the health checks of data Based on Completeness, Consistency and Accuracy.
* Used Informatica Analyst tool to create profiles and scorecards to analyze the data.
* Scheduled the scorecard jobs to send the weekly report to Data stewards and business users.
* Design new ETL Processes using Informatica Data quality to use the Address Doctor for validating the addresses of the customers.
* Hands-on experience in **Informatica Data Discovery** and **Business Glossary**.
* Used Tidal as a scheduler to monitor the Informatica jobs and their dependencies as part of On-Call Support.
* Created complex Informatica mappings and reusable objects based on the client requirements.
* Performed migrations using Import/Export, Folder-to-Foldercopy, and Deployment groups.
* As an Administrator, I performed routine maintenance like cleanups, purging objects, Domain, and Repository backups.
* Maintained user roles and privileges using **LDAP** configuration and Active Directory.
* Used Informatica Data Quality Developer Client tool to perform Logical Data Object’s, Data Conversions and Data Cleansing operations.
* Used techniques like source query tuning, single pass reading and caching lookups to achieve optimized performance in the existing sessions.
* Lead & Primary contact for all Informatica operations and questions.
* Worked with the Reporting team on MicroStrategy**& Tableau** to distribute, maintain and optimization of universes.

**Environment:** Informatica Power Center 10.1.1/9.6.1/8.6.1, Developer Client, Analyst tool, IICS, Oracle 11g/10g, Windows 2008 R2, SQL Server 2008/2012/2014.

**AbbVie Inc., Waukegan, IL (Jun’2014- Oct’2014)**

**ETL Administrator & Developer**

* AbbVie and Abbott Laboratories are sister companies. Since they split-up, our project is to migrate the data from Abbott to AbbVie data warehouse.
* Upgraded Informatica (Power Center and Data Quality Services) from 9.0.1 to 9.1.0 in various environments.
* All the environments were built in UNIX platforms and used HA concept for server failovers.
* Worked on Domain and Repository Maintenance, Backups and Recovery Plans.
* Administer Informatica by creating user Logins with appropriate roles, granting, and denying login privileges, monitor the user accounts, creation of groups, granting database and application roles to users and groups.
* Perform Tuning long running queries and slow running servers through SQL Profiler and Execution plans.
* Implemented performance-tuning logic on Targets, Sources, mappings, sessions to provide maximum efficiency and performance.
* Schedule and maintain routine Jobs, Tasks, and Alerts using AppWorx.
* Assisted with scripting and monitoring interfaces between SQL and Oracle.
* Extensively used Informatica **Data Validation, Data Virtualization, ILM, Data Vault & Data Archive** tools.
* Collaborated with as Records management and legal team, in defining the Compliance requirements like for record retention and legal hold applicability.
* Defined the process for lifecycle management and cross-technology enterprise architecture.
* Established the scope for the Solix implementation, Policy management, Proof of concept and Pilot archival.
* Review the use case requirements, current system configuration and conduct a downsizing analysis.
* Performing data analysis and gathered columns metadata of source systems for understanding requirement feasibility analysis and Data Quality solutions.
* Used Informatica Analyst tool to track and tune data flow performance, enrich, and speed integration.
* Used Developer Client to minimize the risk of data quality problems proliferating throughout the organization.

**Environment:** Informatica 9.0, 9.1 HF1, Informatica data validation, Informatica data virtualization, Informatica Data Quality, UNIX, Oracle 10g/9i, SQL server 2012/2008/2005.

**Excellus-BCBS, Rochester, NY (May’2012- Apr’2014)**

**ETL Administrator & Developer**

Administrating Informatica, by creating user logins with appropriate roles, granting, and denying login privileges, monitor the user accounts, creation of groups, granting database and application roles to users and groups.

* Daily migrations through various environments (EDW, Transformation, Legacy & OBIEE) with export/import Technique using Deployment Group, based on requests raised by users.
* File transfers through FTP using various tools.
* Install of patches, hotfixes and upgrading the tool up to date on a regular basis.
* Performing regular Administration activities from Managing system resources, users and database to the fine-tuning level and implemented successfully.
* Worked on Database Maintenance, Backups and Recovery Plans.
* Expertise in installation, configuration, performance tuning, and integration of various data sources like Oracle, MS SQL Server, Flat files into the staging area and Design ETL processes that span multiple projects.
* Implemented performance-tuning logic on Targets, Sources, mappings, sessions to provide maximum efficiency and performance.
* Schedule and maintain routine Jobs, Tasks, and Alerts using **Ctrl M**.
* Assisted with scripting and monitoring interfaces between UNIX scripts and Oracle.
* Monitor Informatica session Logs/ Schedule tasks/data activity/ eliminate blocking and deadlocks/ user counts and connections/Intent locks.

**Environment:** Informatica Power Center 8.6.1/9.0.1/9.1.0 with hot fix3, Oracle 10g, ODBC 5.2., AIX 6.1., Ws-FTP 12.3., Putty 0.58., WinSCP 4.3.7., Password Safe Application 3.14.0.2123., SQL server 2005/2008.

**Liberty Mutual Group, Portsmouth, NH.(Sep’11-May’12)**

**ETL Consultant**

* Imported all source and target definitions for Oracle Golden Gate environment.
* Took the parameters for Data version to filter the Admin­\_Audit fact table.
* Compared the Admin\_Audit in two environments and took the difference using Changing data capture.
* Processed the Not Exists Flat File data for verification with Admin\_Audit.
* Processed the Flat File data for verification with Admin\_Audit (INPUT TABLE).
* Loaded from Source to Interim stage table (GOLD -> Staging Table).
* Loaded from Interim Table to Flat File.
* Took the parameters for delete and create a .csv file for Web Services.
* Web Services will update the destination environment with the changes captured in Gold.
* Extensively worked on Connected & Unconnected Lookups, Router, Expressions, Source Qualifier, Web Service, Update Strategy, Filter, and Sequence Generator Transformations.
* Developed reusable transformations to load data from flat files and other data sources to the Data warehouse.
* Parameterized the connections in the session & workflows and used Scripts for pre & post sessions.
* Sent data from flat files to Import tool and Web Services. Take the response and Update the Staging Table whether it is Processed, Pending or Failed.
* Worked in Agile Methodology Environment with Daily Standup meetings for status Report.
* Administered by creating user Logins with appropriate roles, granting, and denying login privileges, monitor the user accounts, creation of groups.

**Environment:** Oracle 11g, Oracle SQL Developer, SQL Server 2008/2010, Informatica Power Center 8.6.1/9.1, Microsoft Visio, Putty, WinSCP.

**SEI Investments, Oaks, PA. (Oct’10-Mar’11)**

**ETL Consultant**

* Used Third Party-Vendor application platform called TimeScape from Xenomorph Deal Time Technology™ designed specifically to provide data management, capture, and analysis and distribution data services to organizations within the finance industry.
* Since SEI is an investments company, TimeScape provided a framework called “Workbench” that can cope with the Bloomberg data for business need to use data now and integration challenges that are likely to face in the future.
* Responsible for the design of mapping and delivering the Business data (Bloomberg) for the data warehouse from existing data sources (Request Builder FTP Site).
* Created Database Architecture using the TimeScape Workbench 4.0 and Microsoft Excel 2007.
* Separated the data flow into various categories according to the type of data.
* Connected TimeScape to SQL Server 2008 Database for Administration and Data View.
* Created Complex mappings with Task Definition File (TDF) using XTFileImporter (GUI) to import the Bloomberg files.
* ETL Informatica was used to minimize the size of the Bloomberg Files using SEI Holding’s (Geneva and InvestOne) for filtration.
* Scheduled using Batch files for the import process of daily. Dif is in Development.
* Imported .OUT files once in a month to make sure Database is coordinated.
* Worked in Agile Methodology Environment with Daily Standup meetings for status Report.
* Assisted operation support team (CTS) for Bloomberg data loads in developing AppWorx Job schedules and Job failures.

**Environment:** Xenomorph TimeScape Workbench 4.0, Informatica Power Center (8.6.1, 9.1), Microsoft Excel 2007/2010, Bloomberg Data License Request Builder 5.0.19, XTFileImporter (GUI), SQL Server 2008/2010, Meta Frame Presentation Server Client (Citrix), Windows Server 2003.

**Intel, Aloha, OR. (May’10-Oct’10)**

**ETL Consultant**

* Created complex mappings using Unconnected Lookup, Sorter, Aggregator, Union, Rank, Normalizer, Update strategy and Router transformations for populating target table in efficient manner.
* Implemented slowly changing dimension (SCD) Type 1 and Type 2 for Change data capture.
* Created SQL, Packages, Functions, Procedures, Views, and Database Triggers.
* Created various Oracle database objects like Indexes, stored procedures, Materialized views, synonyms, and functions for Data.
* Wrote SQL and PL/SQL queries to extract data from Databases.
* Developed database monitoring and data validation reports in SQL Server Reporting Service **(SSRS).**
* Migrated DTS objects to SQL Server Integrated Services **(SSIS).** Involved in the analysis, design, and development, testing of the data and build Data warehouse using ETL.
* Developed reusable transformations to load data from flat files and other data sources to the Data warehouse.

**Environment:** Informatica Power Center 8.6.1, Oracle 9i/10g, SQL Server 2005/2008, Windows 2008, TOAD 9.7.2.

**Galaxy Technologies Inc., Moon Township, PA. (Jan’09-May’10)**

**ETL Consultant**

* Involved in the analysis, design, develop, testing of the data and build Data warehouse using ETL.
* Responsible for the design of mapping and delivering the employee data to the data warehouse from existing data sources.
* Created Complex mappings with transformations involving expressions, lookup, rank, formalizer, update strategy and stored procedure.
* Developed Mapplets, Mappings and configured sessions.
* Developed reusable transformations to load data from flat files and other data sources to the Data warehouse.
* Installation and Configuration of Designer, ODS, Reports, Portal, and Broadcast Server.
* Developed the data source using SQL server 2005 as the backend database.
* Assisted operation support team for transactional data loads in developing SQL Loader & Unix scripts.

**Environment:** Informatica (Power Center 8.1), UNIX Scripting (Ksh), SQL Server 2005, Oracle 9i.