Selvi Thyagarajan +18136449655, +18135086732 [selvithyaga@gmail.com](mailto:selvithyaga@gmail.com)

Experienced in ETL platform with over 13+ years of experience in Data warehousing. Excellent reputation for resolving problems and improving customer satisfaction. Well-versed in defining requirements, planning solutions and implementing structures at the enterprise level. Analytical problem-solver with a detail-oriented and methodical approach.

**EXPERIENCE SUMMARY**

* Over 14 Years of experience in IT industry with knowledge in **Data warehousing, Business Intelligence, and problem solving**
* Knowledge in Banking, Marketing and Insurance domains
* Played prominent roles with responsibilities in Design, Development, Testing and Production Support projects
* Identified and documented project constraints, assumptions, business impacts, risks and scope exclusions.
* Built library of models and reusable knowledge-base assets to produce consistent and streamlined business intelligence results.
* Participated in requirements meetings and data mapping sessions to understand business needs.
* Provided on call support for production issues.
* Involved in understanding the scope of application, Complexity and diversity of the systems involved, Gather and Analyze requirements and writing detailed Technical Specifications
* Perform code reviews and Job optimization
* Experience in Dimensional Data Modeling **Star** and **Snow Flake Schemas**
* Have extensive experience in creating Server/Parallel jobs and job sequences using **Datastage** 7.5.2, 8.1, 9.1 and 11.5, **BigIntegrate,11.7**
* Experience in writing Testing scripts & scenarios based on Functional & Business requirements and solution design
* Have extensive experience on working with diverse source and target systems like Oracle, SQL Server, DB2, HDFS, Hive, Flat files, XMLs, EBCDIC files and SAP
* Have experience in working in BigData platform.
* Researched and resolved issues regarding integrity of data flow into Hive databases
* Designed and developed Data comparison tool in pyspark.
* Involved in Building SCD data load into hive tables.
* Build various automation tools to improve processing performance.
* Involved in the **creation and deployment**of the reports using **SSRS**
* Strong Database Experience with strong knowledge of writing **complex SQL** scripts as well as SQL tuning
* Have good experience in creating Mappings, Sessions and workflows using **Informatica Power Center**
* Optimize existing mappings and workflows in **Informatica**
* Have experience on working in UNIX and writing UNIX Shell scripts
* Experience in ESP, corn scheduling, AWP, Stonebranch and TWS scheduling
* Created and improved intelligence resources to facilitate consistent delivery.

**WORK EXPERIENCE:**

|  |  |
| --- | --- |
| Company | Tata Consultancy Services Pvt. Ltd. |
| Role | *Technical Architect* |
| Duration | *Aug 2022 – Till date* |
| Domain | *Insurance* |
| Company | Virtusa Software Services Private Limited |
| Role | Technical Lead |
| Duration | March 2010 - Aug 2022 |
| Domain | Banking, Insurance and Marketing |

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Platform | BigData, UNIX, Windows |
| Database | Oracle 9i/10g, SQL Server 2008/2012, IBM DB2 |
| BigData Tools | Hortonworks Ambari, HDFS, Hive, Sqoop, Pyspark |
| ETL Tools  Scheduler | DataStage 7.5.2, 8.1, 9.1 and 11.5(Big Integrate)  InformaticaPowercenter v9.1.  ESP, AWP, Tivoli Workload Scheduler |

**EDUCATION, CERTIFICATION & ACCOMPLISHMENT**

* **Master of Computer Applications** from Dhanalakshmi College of engineering, affiliated to Anna University passed in **2009** with **80%.**
* **Bachelor of Computer Applications** from Patrician College of arts and science, affiliated to University of Madras passed in **2006** with **65%**.
* IBM Certified Solution Developer - InfoSphere DataStage v8.5
* [AWS Certified Data Analytics -Speciality (DAS)](https://www.certmetrics.com/amazon/candidate/cert_progress.aspx?cert=1214048), Oct, 2023
* Resolved Outstanding tickets in L2 support leading to build the team graph.
* Resolved Data loss in Production and recovered historical data, with high customer satisfaction.

**PROJECTS, ROLES & RESPONSIBILITIES**

***Client: New York Life Insurance Company -*** *NYL EDM– CDW, DH, Cloud (Aug 2022 – till date)*

*ASM Lead*

**Business Problem:** NYL is going through the major digital transformation program in which EDM group is preparing for the future business demands and setting up base to meet up-the upcoming requirements. The current reporting infrastructure is being modernized to start using the Enterprise Data Hub as the common source to support all the data needs. The EDM group manages multiple business demands from various user groups. There is continuous work to synchronize between the business demands and the EDM foundation work as the same data/information is required for reporting, analytical process, legal and compliance and other needs.

The data availability is defined in a way which would be used to prioritize the business demands and future projects. The EDM data lake or data hub is created that would provide the data to all the business users and external sources. A flexible implantation model would be used to harmonize with the project demands and can be used to re-prioritize the data ingestion time lines.

Environment: Datastage 11.7, AWS Cloud, Unix, Oracle 19C, Arora, Redshift

**Project Role:** ETL ASM-Lead with the following responsibilities:

* Maintenance and support of EDM ETL process.
* Make sure system is up and running.
* Initiate SWAT call when failure, and coordinate with all the impacted teams
* Onsite and offshore team co-ordination, status maintenance
* Manage daily activity of technical team in offshore
* Perform ETL Error Handling, Error logging mechanism, reporting, standards and best practices!
* Provide implementation and Validation support.
* Involve in Product launch meetings.
* Build client, consumer relationship!

***Client: CitiBank*** *– CITIBank customer Screen (Apr 2021- Aug 2022)*

*Tech Lead*

**Business Problem:** Citi screening is Citi’s standard enterprise-wide sanctions screening platform that provides a scalable and flexible framework for screening accounts, relationships and instructions/transactions. The platform is designed to monitor and screen data against sanctioned and non-sanctioned parties against watch-lists. Citi-Name and entity screening system (NESS) and Transaction screening is a key system for managing risk requirements and practices around know your customer(KYC), Enhanced Due Diligence (EDD) and various U.S. Sanctions.

**Project Role:** CS Onboarding Tech-Lead with the following responsibilities:

* Conducting weekly meetings to discuss about the deliverables to meet the objectives.
* Involved in requirement gathering, preparing Technical questioner, commectivity sheet.
* Project status meeting with client
* Created an automated scripting sheet to cover the basic configuration for the screening.
* Involved in On-call support for Project verification test.

***Client: New York Life Insurance Company -*** *NYL – EDM– Foundation & PPP, FT CIGNA (Jan 2018 – Mar 2021)*

*Tech Lead*

**Business Problem:**NYL is going through the major digital transformation program in which EDM group is preparing for the future business demands and setting up base to meet up-the upcoming requirements. The current reporting infrastructure is being modernized to start using the Enterprise Data Hub as the common source to support all the data needs. The EDM group manages multiple business demands from various user groups. There is continuous work to synchronize between the business demands and the EDM foundation work as the same data/information is required for reporting, analytical process, legal and compliance and other needs.

The data availability is defined in a way which would be used to prioritize the business demands and future projects. The EDM data lake or data hub is created that would provide the data to all the business users and external sources. A flexible implantation model would be used to harmonize with the project demands and can be used to re-prioritize the data ingestion time lines.

Environment: Datastage 11.5 **Big Integrate**, Hadoop 2.0, UNIX, Ambari, Hive, Sqoop

**Project Role:** ETL Tech-Lead with the following responsibilities:

* Provide technical and thought leadership to distributed teams of software engineers engaged in implementation of large-scale data warehouse and business intelligence (DW/BI) solutions using ETL technologies such as DataStage;
* Analyze business requirements and translate same to design/technical specs and implementation
* Design data warehouse objects, working with both business and technical staff users to better understand their data needs
* Responsible for design, develop, deploy and support end to end ETL specifications based on business requirements and processes such as source-to-target data mappings, integration workflows, and load processes
* Manage daily activity of technical team in offshore
* Perform ETL Error Handling, Error logging mechanism, reporting, standards and best practices
* Write technical specifications and update release documentation to reflect technical modifications
* Provide implementation support to the production support team

***Client: New York Life Insurance Company -*** *NYL - FT - Release 3 (Feb 2017 to Jan 2018)*

*Tech Lead*

**Business Problem:** New York Life’s current state technical environment has financial data spread across multiple source systems for Investments, Core Finance, Life and Annuities business areas. These source systems maintain heterogeneous data stores such as Legacy Mainframe based systems, Relational Databases, Microsoft Excel sheets and SAP BW for financial processing. Consolidating the data from these systems will allow NYL to automate a number of current manual processes and calculations, and feed downstream applications including SAP GL and Insurance Analyzer. Integrating data from heterogeneous sources will necessitate loading data from multiple external data sources, coordinating data flows and executing associated data processing mechanisms.

Environment: Datastage 11.5, Oracle 11g, UNIX.

**Project Role:** ETL Tech-Lead

***Client: Affinion (Helix Development & 2LS) -****Affinion Application support(Helix 2LS) (Oct 2015 to Jan 2017)*

*2LS Support/Development*(Onsite - Hungary)

**Business Problem:**Affinion offers products & services thru Wholesale, retail or direct-to-Consumer Channels depending upon marketing relationship with Partners.Helix is a global member-servicing platform which includes web services, batch processing, servicing tools, and reporting. Interfaces & Extracts are the process to load and retrieve data offline to helix. Interface process client data files and produce Java payloads which are used to load data into Helix. Extracts produce data files from Helix based on the customer requirements.

Environment: InformaticaPowercenter v9.1, Oracle 10g, TWS, Unix, HP ALM

**Project Role:**2LS Application Support Analyst with the following responsibilities:

* Job Monitoring and failure recovery
* To provide root cause and fix for production issues
* Process improvement and solution proposal
* To coordinate with Business team for new development proposal.
* To coordinate with off-shore 3LS team on solution implementation.
* Production release support

***Client: New York Life Insurance Company -*** *NYL-FT Wave 2-Data&****–*** *Release 2 (R2)(Nov 2014 to Sep 2015)*

*Tech Lead*

**Business Problem:**New York Life’s Finance Transformation program will enable NYL’s Finance function to assume a more strategic role in the organization by way of adopting a reengineered operating model, redeveloped foundational capabilities and associated enabling technologies that will allow finance to address key business requirements will be achieved through the implementation of a data strategy that provides a standardized information set across multiple organizational-functions, and the use of an improved toolset for data management.

Environment: Datastage 9.1, Oracle 11g, UNIX.

**Project Role:** ETL Tech-Lead

***Client: HDVest Financial Services*** *- MDM Hyperion Replacement(Sep 2013 to Apr 2014)*

*Senior Software Engineer*

**Business Problem:** This project is to remove dependency on the existing Hyperion based brokerage data repository and reporting capabilities owned by Wells Fargo and to design and build a DataMart to support the brokerage reporting needs of HD Vest’s end users. This project involves development of SSRS Reports and Adhoc Report

Environment: SQL Server 2012, Microsoft Business Intelligence

**Project Role:**Senior Developer(Reporting/ETL)

***Client: Standard Chartered Bank -*** *SIMCO PDW (Aug 2012 to Jun 2013)*

*Senior Software Engineer*

**Business Problem:** Mainframe system sends the files required for Customer Experience Management System (CEMS). CEMS page/screen is used by the customer center executives to retrieve the data to customers. The application cleanses the received files and loads it into DB2 staging tables

Environment: IBM Data stage 8.1, DB2, UNIX

**Project Role:** DataStage Developer (ETL)

***Client: Fidelity Information Services (Metavante) –*** *BIC & MMS (Jul 2010 to Jun 2012)*

*Software Engineer*

**Business Problem:** MMS is a part of BACS, it ensure a long term, cost effective and scalable DW based solution to cater for the various summary-level reporting and trending analysis needs of FIS’s 400+ financial end customers. Below are some of the business needs taken care by MMS.

* Clean and standardize data across all applications (internal source systems as well as 3rd party sources) and delivery channels
* Gain a complete view of the business, end customers, and products
* Reduce cost of scheduling and distributing relevant information to end users
* Offer affordable, easily deployed tools to a large group of diverse users

Environment: IBM Data stage 8.1, DB2, UNIX

**Project Role:**DataStage Developer