

Koushik B

**~ ETL Architect ~ Azure Data Engineer ~** Providing data-driven, action-oriented solutions to challenging business problems

# PROFESSIONAL SNAPSHOT

* A dynamic ETL Professional with around **14 years** of IT experience in all phases of Software Development Life Cycle (SDLC) with Business and Functional requirements, data analysis, application design and development, data modelling, maintenance and implementation of complex data warehouse systems using ETL – with excellent skill in Informatica Power Center / Power Exchange/ B2B Data exchange along with major contribution in Informatica B2B Data Exchange (DX) and different ETL – like Data Stage/Talend concepts.
* Acquired new skill in Azure Synapse, ADLS Gen 2, Azure Data Factory, Data Bricks, Azure Data Lake storage, Azure Event Hubs and looking for Azure opportunities.

Currently working on migrating on-premises data source to load the data ADLS Gen2. Wo rking with Azure Blob Storage to capture data of any size / type, using Azure trigger

* Strong experience in Informatica tools -Repository manager, Designer, Workflow manager, Workflow monitor. Ability to Work with complex mappings using different trans formations Source Qualifier, Lookup, Filter, Expression, Router, Norm alizer, Joiner, Update Strategy, Aggregator, Stored Procedure, Sorter, and Sequence Generator, SCD type – I, Type II.
* Expertise in Data Warehouse / Data Mart, OLTP and OLAP implementations, Dimensional Data modeling, Star and Snow-Flake Schema, FACT and Dimensions tables, Physical and logical data modeling using Erwin / VISIO.
* Experienced in Informatica B2B Data Exchange Setup from Endpoint creation, Scheduler, Partner setup, Profile setup, Event attributes creation, Event status creation, etc. along with CLEO MFT host creation, Mailbox creation, encryption update etc.
* Expertise with Oracle development with extensive knowledge on writing SQL, PL/SQL programming, Stored Procedures, Functions, Cursors, Triggers, Views, Materialized Views, indexes, partitions, table partitions and query performance tuning.
* Worked in Data Stage 8.7 with different transformation development like joiner, sequence generator, filter, look up, router, sorter, MQ etc.
* Have been associated with reputed Loyalty Project – VENTNA of **American Airlines** for Migration from Legacy to Siebel and Merger with US Airways with professional development skills in Data Stage, Oracle PL/ SQL, and Tivoli scheduling tools.
* Have been associated with **MetLife Life Insurance Company** for File Transmission Migration from windows Legacy to Informatica B2B DX on UNIX platform.
* Expertise in Client Handling – team management, offshore co-ordination – works with business, client vendors as per business requirement, design discussion.
* Have Domain Expertise with **Insurance**, **Telecom OSS/BSS**, **Loyalty** and **Life Sciences**.

# PROFESSIONAL CERTIFICATION



* + Microsoft Certified – Azure Data Engineer – Completed in June ‘21.
  + Certified Safe Agilist from Safe – Agile Certification – Completed in March’21.
  + Certified in Data Governance from Informatica – Completed in Aug ’20.
  + OCA from Oracle - Completed in 2010
  + Oracle 9i and LINUX Certification from IBMACE, Kolkata India – Completed in 2007

# EMPLOYMENT SCAN

## Since Jan’10 : Cognizant Technology Solutions

**Jun’07 – May’09 : Excelacom Technologies.**

# TECHNICAL COMPETENCIES and LEADERSHIP

## Data Warehousing/ ETL :

Informatica Power Center 9.6/9.5/9.1/8.6, Informatica Power Mart 9/8.x, (Workflow Manager, Workflow Monitor, Source Analyzer, Warehouse Designer, Transformation Developer, Mapplet Designer, Mapping Designer, Repository manager), Metadata, Talend, Data Stage 8.7

## Databases & Tools :

Oracle 11g/10g/9i/8i/8.x, DB2 UDB 8.5, SQL\*Server, MS SQL Server 2005/2000/7, SQL\*Plus, SQL\*Loader, TOAD, Netezza, Mosaic Tera data.

## Cloud Technologies :

Azure – ADLS, Azure Data Factory, Azure Blob

## Programming Languages :

SQL, PL/SQL, Teradata Procedure, UNIX Shell Scripting.

## Environment :

UNIX, Win XP/NT 4.0, Sun Solaris 2.6/2.7

* ETL architect for ETL development with Informatica PWC – transformation design, mapping documentation, Performance Tuning of ETL and Oracle.
* Conducting Case / System / Process Study for project planning, project estimation, tracking - timeline management – defect management.
* Defining best practices for project support and documentation, Team mentoring, deployment tracking and development.
* Recruitment, training, and counselling of processing associates as per Organization standards.
* Interacting with clients/Vendors for requirement gathering, system study & analysis scheduling requirement discussion, design discussion, working session with IT security team for Encryption settings, upgrades – enhancements of the Product and fixes.
* Technology Leader with technical management experience in software development / maintenance, working with stake holders across geographies with strong experience in

recruiting, strategic planning, performance and project management, including mentoring

coaching other associates.

* Design Process: SDLC, Agile Methodology, Scrum Framework [Scrum Master and PI Planning]



# KEY PROJECTS HANDLED

* **Data Exchange Technology**

Client : **MetLife Life Insurance Company**.

Description : “Data Exchange Technologies” establishes and manages the secure transmission of data within MetLife as well as between MetLife and its external customers / vendors and Third- Party Administrator Systems. Cognizant has migrated METLIFE Data Exchange Technology (DET) platform from Mainframe/ Windows Legacy Platform to Informatica B2B/MFT file transfer through Informatica as an ETL and LINUX as the OS platform. MFT and DX set ups are developed through PWC workflows and scheduled through Informatica on LINUX server to process different file transmission for METLIFE and its External customers. Encryptions are added on transmission level and maintained through FTP, SFTP, FTPS and HTTPS transmission method. Started working on Proof of Concept for Azure Migration from Legacy / On Premises to Data Lake on ADLS Gen2

Duration : 7+ Years [Sep’ 14 – Feb’ 22] Team Size : 22

Role : Azure Developer and ETL Architect

Environment: UNIX, Informatica 10.4/9.6.2, Informatica MFT / B2B, Cleo MFT, Oracle 12G, Azure Lake Storage, ADF, Azure Blob Storage, Azure Key Vault

Location : Pennsylvania, USA.

Responsibilities: Worked as an ETL Architect / Technical lead for DET Project which is the File Transfer Program for METLIFE along with its all-External Customers. Responsible for Requirement and Feasibility analysis, provided design solution for Migration Program from windows Legacy to Informatica, developed Informatica PWC Mappings, workflows, B2B, DX set ups for batch Migration process, provided design solution for entire Migration Program. Worked on UAT releases for all enhancement releases for Informatica DX / Cleo MFT changes Assisted in root cause analysis, investigating any data errors or anomalies, and assisting in the implementation of solutions to correct data problems. Worked for Encryption Algorithm, Cypher Algorithm along with transmissions on each of the transfer method – SFTP, SSH-KEY authentication, HTTPS etc.

Working on migrating on-premises data source to load the data in ADLS Gen2. Developing ADF pipelines to load data from SFTP to blob. Working with Azure Blob Storage to capture data of any size / type, using Azure trigger.

## CPELife Program

Client : **COMCAST** [Sep’ 17 – Apr’ 18]

Description: This Project is a XB3 / SPRINT Escalation Program for Nationwide COMCAST wireless devices. Cognizant as Vendor supporting Comcast customers to resolve the impacted devices for technical issues. So, to overcome the inference the defective devices are analyzed and identified and sent for repairment to overcome the interference issues. Furnished Leadership Team with insights, analytics, reports and recommendations enabling effective strategic planning. Analyzed and processed complex data sets using advanced querying Identified, measured, and recommended improvement.

Duration : 8 Months Team Size : 11

Role : Data Analyst / ETL Developer

Environment: Oracle, Talend, Netezza, Windows 10, Linux. Location : Pennsylvania, USA.

Responsibilities:

Worked as Lead Data Analyst of the project team and was responsible for Data Analysis as an ETL developer with Talend - worked in reference Data, feed loading from NETEZZA to Oracle

through Talend as an ETL .Was involved in Data Analysis after Data Load by RDM execution and identify the bad interference devices, develop tools and templates to assist in operationalizing analytics insights, building and analyzing reports, Work alongside ETL engineers to establish an analytics platform to be used across the business.

## AA VENTANA

Client : **American Airlines Inc**. [Apr’ 12 – Aug’ 14]

Description : Cognizant has migrated American Airlines Loyalty Program from AATMS (Mainframe) to SIEBEL through Data Stage as an ETL and Tivoli as the scheduler for Batch Processes. Data Stage jobs are developed and scheduled through Tivoli on UNIX server to process different batch processes for miles accrual system from different Loyalty partners.

Duration : 3 Years Team Size : 22

Role : ETL Technical Lead

Environment: Data Stage 8.7, Tivoli 8.4, UNIX. Location : Texas, USA.

Responsibilities:

A team member of the project team and worked as an onsite coordinator for VENTANA application which is the largest loyalty program for any airlines in SIEBEL. Developed different data stage jobs for batch process, developed Oracle Packages – Proc edures. De ve lop ed Tivo li schedules for batch process execution and for reporting activities by c lient. Monitored and enforced all processes for validation as per standards defined by the client. Data m o d elling and Designing for different Batch interface for Mileage calculation for different flights had done. Worked with Data Stage Director in running the solution, testing and debugging the components and monitoring the resulting executables.

## Forest Clinical Reporting:

Client : **Forest Laboratories Inc.** [Mar’ 10 – Mar’ 12]

Description: Forest Laboratories is a growing pharmaceutical company which gives prescrip t ion medications that have a meaningful impact on people's lives. For this system different reporting activities required with Inform in Oracle, and Oracle Clinical Environment for listing different patients in EDC.

Duration : 2 Years

Environment: Oracle 10g, Oracle 11g, VSS, Inform, Cognos Team Size : 12

Role : PL/SQL Developer, SQL Developer, SAS Developer. Location : Kolkata, India.

Responsibilities:

Handling Database Design Modelling. Creating the required Database and PL-SQL objects for the application, SQL Reports for different studies, Adm inistration Activities – User Creation and Maintenance and Version Control for PL/SQL Code. was respons ible for Maintenance of Oracle Clinical, developed different BO reports as required for reporting by creating different Packag es, Procedures, Views, Triggers and different Oracle Objects.

## Century Suite Products:

Client: **Comcast LLC**

Description: Century Suite of Products are Enterprise Ready Products. They address the need o f the telecommunication industry customers with OSS/BSS solutions that are highly config urab le and scalable.



Customer Manager : Customer Manager is a converged Order Entry Solution for retail and wholesale services which supports residential and enterprise products and services. It supports a multi-channel portal that enables-rapid deployment of products, customer management & hierarchy management, contract management & billing cycle management, provisioning/activation, inventory management.

Century Product Framework : Century Product Framework is a flexible product catalogue that supports creation, management and configuration of telecom products and services. It supports - product hierarchy and provisioning plan, package and service creation, price plan and rate plan, usage plan and rating frequency, discount & promotion, product creation wizard & templates.

Century Interface : Century Interface (CI) provides a secure architecture for electronic communication with carriers and other entities outside the corporate firewall. CI works as the Interface Manager by accepting transactions from a sending system and distributing these transactions to one or more receiving systems. It will provide communication method b etwe en all systems that are required to provision and bill the product/services that are provided b y the telecom service provider.

Century Order Management : Century Order Management (OM) provides a powerful solution to control the entire process of procuring and installing services from multiple vendors, service order placement, order tracking, installation to contract compliance and SLA enforcement. OM handles-Capturing a service order request, validating the o rder, analyzing the order, completing the order, managing order fallout, dashboard and detailed reporting

Duration : 2 years [Aug’ 07 – May ‘09]

Environment: Java, J2EE and Oracle PLSQL, Oracle 10g, Web logic 8.1, SunOS 5.9 Team Size : 10

Role : DBA, PL/SQL Developer Location : Chennai, India.

Responsibilities:

Installed and Configured the Metasolv 6.x Database Development Environment. Reference Data loading by using SQLLDR and Custom PLSQL Scripts. Configured Wallet in Solaris server as we ll as Windows Server. PL/SQL Code for User Module. Written Oracle Scheduler for Java Stored Procedures.

Handling Database Design Modeling. Creating the required Database and PL-SQL objects for the application. Database Administration Activities – User Creation and Maintenance and Version Control for PL/SQL Code. PLSQL code written for Order Tracking Module. PLSQL tuning by creating materialized view for performance issue. Schema export / import from local to production environment and vice versa

# ACADEMIA

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| 2006 | **Master of Computer Application** from West Bengal University of |
|  | Technology, India with Specialization in **Computer Science**. |
| 2003 | Bachelor of Science from Kolkata University, India with Specialization in **Mathematics**. |

**PERSONAL DOSSIER**

Date of Birth 20th Novem ber 1981

Address Available on request

VISA H1B Valid till 12/20/2024, **I 140 Approved**