

Alok Kumar

BI/ DW/ ETL Professional with 8+ years of experience

EXPERIENCE SUMMARY

- **Oracle Certified Associate** with professional experience in application development, data warehousing, ETL tool **Informatica, Talend, Oracle, MS SQL Server, UNIX, and AutoSys**
- Experience in creating package, stored procedure, function, cursors, views, anretfgv d trigger in **Oracle**
- Experience in creating partitions, sub partitions, indexes, and other database objects and type to improve performance of **SQL and PL/SQL in Oracle**
- Proficient in ETL architecture, design, and development using tools such as **Informatica PowerCenter 9.x/ 10.x and Talend**
- Impressive understanding of data modeling and dimensional modeling, star schema modeling, snowflake modeling, fact, and dimensional tables
- Firsthand experience in complete project life cycle that includes requirements gathering, documentation, developing, testing, implementing, and deployment
- Experience in writing **Shell Script** and have worked on **AutoSys** scheduling tool for job scheduling
- Firsthand experience in defining technical requirements for ETL processes and developing complex mappings to load data into enterprise data warehouse and data marts
- Good understanding of Banking and Financial Service domain
- Extensive knowledge of various performance tuning techniques on sources, targets, mappings, and workflows including partitions/ parallelization and eliminating cache intensive transformations
- Demonstrated ability to learn quickly and adapt to new environments
- Holds H1B visa available, valid till Dec'20

EDUCATIONAL QUALIFICATION

- Bachelor of Technology (Information Technology), GIET, Gunupur, Orissa

TECHNICAL SKILL

ETL Tools	Informatica PowerCenter, Cognos Data Manager, SSIS, PL/SQL
Modeling Tools	ERwin 9.3
RDBMS / Database	Oracle 12c Exadata, Sybase, SQL Server, MongoDB
OLAP/ Reporting Tools	OBIEE, JasperSoft
Programming Languages	SQL, PL/SQL, T-SQL, Shell Scripting.NET
Development Tools	Visual Studio, SSMS, Oracle

Architecting Skills	Relational/ Dimensional Data Modeling
Other Tools	Autosys, Azure cloud, JIRA, TFS, u-Deploy, Anthill, XML, XSL, SVN, VSS, Version One, ab-Initio

TRAININGS/ CERTIFICATION

- Oracle Certified Associate (OCA)
- ITIL Foundation Certification
- Completed SQL, PL/SQL Training from Oracle Partner at GIET Gunupur
- Completed training on Informatica PowerCenter 8.6.1
- Completed training on OBIEE 11g, Synechron Technologies Pvt. Ltd.
- Completed MongoDB Training, 10gen

PROJECT EXPERIENCE

Synechron Inc., USA Oct'11 till date

1. Project: CCS – Credit Card Securitization Apr'19
to Till Date
Client: One of largest banks in US
Role: Lead Developer
Domain: Capital Markets – Regulatory & Compliance

Description: To confirm with regulatory requirements, the bank is in the process of transforming their financial assets into securities, Risk and Finance business has identified credit card receivables as the first set of assets to be securitized. Towards this goal design a DataMart to leveraging existing data sources for business to identify and generating appropriate data for Asset Based Securities system. This then becomes system of records for downstream applications, compliance and regulatory reporting, of these securitized data sets, while producing data analytics for the life for each securitized product released into the market.

Responsibilities:

- Analyze and identify data capture requirement from various Credit card systems and data sets which exists within the bank. Define a strategy to capture and collate required data from these.
- Data Analysis and profiling of source data and define data feed requirements in co-ordination with data sources systems. Define the data load and integration strategy and produced data model blueprint.
- Identify ETL process/tools and design data ingestion, logging and error handling, and control reports process. Provided inputs on the report design team.
- Create PLSQL packages implementing logging and exception management, as per requirement.
- Conduct performance analysis and tune queries using query hints, explain plan. Optimization of SQL queries to reduce the run time. Performed index optimization.
- Create scripts to load flat file data into intermediate tables using SQL*Loader.
- Analyzed existing PLSQL procedures and functions to understand functionality from current implementations for applications which shared same data sources.
- Design and create Informatica Mappings and workflows to load data from relational source systems.

- Created PSQL procedures to generate data validation and control reports between upstream and downstream applications.
- Delivery - Lead development team, scheduling of development activities and provide critical inputs to project managers to update project plans.
- Co-ordinate with QA, DBA, Deployment, Infrastructure, Prod support teams on SDLC reequipments.

Environment: Visio / Oracle 12c on Exadata / Informatica 10.2.0 / Autosys / NDM / DTS / Channel Secure / Anthill / u-deploy

2. Project: Retirement – Sybase To Oracle Exadata Migration
 Oct'18 to Apr'19
 Client: One of largest banks in US
 Role: Senior Developer
 Domain: Retirement – Regulatory & Compliance

Description: Wells Fargo Institutional Retirement group currently uses Sybase database server to hold all retirement data. As a part of the technology transformation initiative, all the data needs to be migrated from Sybase to Oracle Exadata. During this process, all existing database stored procedures, triggers, views, reports and applications need to be migrated to work with Oracle. This will involve migration of around 8500 stored procedures and different applications spread across multiple technologies. This project involves migration of all the data and related dependencies to Oracle Exadata platform in a phased manner.

Responsibilities:

- Translating business requirements into functional and decomposing functional specifications into a technical design specification.
- Creating of Stored procedure, function, trigger, package and another database object in Oracle as per the functionality implemented in existing Sybase database.
- Identify the references of existing stored procedures and accordingly perform impact analysis due to migration to Oracle Exadata and Perform functional and technical analysis to the applications and functional flow due to migration of database objects such as triggers, sequences, temporary tables to Oracle Exadata.
- Remove usage of temporary tables in stored procedures and use alternative approaches such as joins/unions/cursors, collection to achieve the same functionality in Oracle and Migration of existing batch jobs and stored procedures to Informatica depending on the use cases.
- Design approaches to avoid duplication of global data across different clients after migration to Oracle Exadata and Redesign the existing stored procedures using features of Oracle Exadata and Document existing functionality, flow of the stored procedures.
- Fix defects logged during SIT and UAT testing and Provide development support during development life cycle.

Environment: Oracle 12c, SQL developer, Toad, Sybase, GitHub

3. Project: GSAP – Security Aggregation Platform
 Apr'18 to Oct'18
 Client: One of largest banks in US
 Role: Senior Developer

Domain: Capital Markets – Regulatory & Compliance

Description: This project Global Security Aggregation platform provide a platform to aggregate the securities related attributes at enterprise, line of business, legal entity, account, and other level. This is for the regulatory requirements for submission of 13D and 13F where the security position holdings of a financial organization are reported. The data from various Line of Business (LOB) will be collated and aggregate/ disaggregate the information on a T+1 timeframe to report the information. This platform gathers the data from various systems of records to the final Global Security Aggregation platform to report the position and drill downs as needed by the application.

Responsibilities:

- Discussed the requirements with business and translated them into technical specifications accordingly
- Created functional specification, system specification, and technical specification document
- Created function, stored procedure, and other database objects to implement business and transformation rules
- Created framework using MS SQL Server and SSIS for performing data migration and transformation
- Performed unit testing and created UTR documents
- Created and scheduled batch jobs in AutoSys as per requirement
- Worked on the issue raised during the development lifecycle and fixed those issues
- Analyzed and troubleshoot issues encountered during the load process

Environment: SSIS, T-SQL, MS SQL Server, MS Windows, Azure Cloud, .Net , CD-NDM , Autosys

4. Project: CRD – WDM Integration

Dec'15 to MAR'18

Client: One of largest banks in US

Role: Senior Developer

Domain: Capital Markets – Wealth Management

Description: The project involved the replacing of existing SEI data with Charles River application (CRD) data. CRD will provide the trade data to WDM in real time using JMS queue. This project involved extracting the data from JMS queues and storing in WDM as well as publishing the data to JMS topics with the additional information available within WDM. This project also involved providing the CRD related instruments, position, tax lot, and transaction data to CRD surround application as Trust Asset Regulatory Reporting Repository (TASRRR) and Portfolio Exception System (PES).

Responsibilities:

- Discussed the requirements with business and translated them into technical specifications accordingly
- Created functional specification, system specification, and technical specification document
- Created DB objects stored procedure and function
- Created mappings using various transformations
- Performed unit testing and created UTR documents
- Created sessions and workflows, and scheduled to load the data into the targets
- Created and scheduled batch jobs in AutoSys as per requirement
- Worked on the issue raised during the development lifecycle and fixed those issues
- Wrote Shell Scripts to process files through Informatica and sent them over via FTP
- Analyzed and troubleshoot issues encountered during the load process

Environment: Informatica 9.6/105, PL/SQL, DB2, Oracle 11g, UNIX, Autosys

Achievements:

- Received appreciation and shared success from client
- Nominated for Surpass Award for Contribution in CRD project in WDM

5. Project: Metrics Retail Retirement DWH

Jan'12 to Dec'15

Client: One of largest banks in US

Role: Senior Developer

Domain: Retail Retirement

Description: The project involved management and enhancement of data warehouse for different retirement plan managed by Wells Fargo (Annuities, IRA, DBEN, and NQ). This project required implementing data warehouse for person, geography, organization, account, asset, and sales performance reports. The data was obtained from relational tables and flat files. It involved cleansing and transforming the data in the staging area and then loading into Oracle Data Marts. This project also provided facilities to store scorecard and request management data.

Responsibilities:

- Discussed the requirements with business and translated them into technical specifications accordingly
- Wrote PL/SQL package containing different function and procedure to perform different business rules
- Wrote stored procedure to implement business logic and use it in Informatica stored procedure transformations
- Created mappings using various transformations, created sessions and workflows, and scheduled to load the data into the targets
- Created and scheduled batch jobs in AutoSys as per requirement
- Wrote Shell Scripts to process files through Informatica and sent them over via FTP
- Analyzed and troubleshoot issues encountered during the load process
- Involved in enhancements of various existing processes
- Understood, diagnosed, and performed root cause analysis of the incidents occurring during the load process
- Ran monthly data load activities and administered them for smooth transition
- Conducted knowledge transfer sessions for new joiners in the team

Environment: Informatica 8.6/ 9.5, Oracle 11g, UNIX, Autosys

Achievements:

- Received Spot Award for completing the year end reporting as per stream deadline
- Received Spot Award for providing value addition to multiple process by automating
- Received Surpass Award for contribution in FINRA and RM dashboard project

PREVIOUS EXPERIENCE**Synechron Technologies**

OCT'11 to Jan'12

Project	Client	Role	Environment
Tone Analysis	Synechron Technologies	Developer	MongoDB, Talend Open Studio, JasperSoft, MS Excel
NextGen Insurance	CoverAll Technologies	Developer	Oracle 10g, SQL Developer, Java