

EXPERIENCE SUMMARY

- 11 Years of experience in Development of Data Warehouse applications in Insurance domain.
- Experienced in building Relational, Dimensional Data Warehouse.
- Skilled in Automating repeated development activity.
- Core member for conducting peer code reviews.
- Proven ability in data analytics and data mining.
- Familiar with Agile, Waterfall and Hybrid methodologies.
- Good Experience in ETL Framework.
- Technical Experience in PL/SQL, C++, C#, Shell Scripting, Informatica.
- Experienced in developing Desktop Application using C#.NET, Universal Windows Store App (XAML/C#) development.
- Experienced in developing Tableau Dashboards.

TECHNICAL SKILLS & TOOLS

Skill	Experience
Data Warehousing Concepts	11 years
Oracle SQL & PLSQL Programming	11 years
VB / C#.Net	8 Years
XAML/C# (Windows Store App)	7 Years
MS SQL Server	1.5 years
Power Center Informatica	3 Years
Shell Scripting	4 Years
Teradata	1.5 years
Speech Technology (Text to Speech, Speech Recognition)	3 years
Python	2 year

Tool	Experience
Toad	11 years
Visual Studio	8 Years
SQL Server Management Studio	1.5 years
CA Autosys	2 years
Teradata Management Studio	1.5 years
Tableau	2 Years

CAREER PROFILE

Corporate (TCS) - Chennai TN India

Oct 2020 – Present

Risk State Performance Improvement.

Risk State Performance Improvement is the project where we are building Dataset to analyze the performance of any state when compared to other states. Customer was keen on one state, we build the process and report that can be used of any state so no need of rebuilding the report for other states.

- Developed **PL/SQL** packages to produce the reports from Warehouse with the specific point in Time.
- Built **Tableau** Report on top of Data set to visualize the data which helps in making the business decision.

Corporate (TCS) -Hartford CT

May 2018 – Oct 2020

BI- Marine Builders' Risk/Data Monitoring Engine/Enhanced Net Rate Calculator.

Marine Builders' Risk delivers reports by working closely with customers in Actuarial, Commercial Lines space. In addition, supporting Actuarial initiatives by delivering custom user interfaces like Tableau Dashboard.

Data Monitoring Engine is Data quality tool which we build using various technologies to ensure data quality is good before releasing it to customers. Framework which we built is using PLSQL to produce data set and Tableau is used to visualize the results and Web Pages to navigate to different reports.

Enhanced Net Rate Calculator is the tool which is used to do calculate Net Rate Change based on Exposure and Premium. Previously this is done in Excel Formulas, but customers wanted to see in Webpage and data needed for doing calculation is partially available in XML and partially in database.

- Designed the DataMart for the Marine Builders' Risk Application.
- Developed **PL/SQL** packages to produce the reports from Warehouse with the specific point in Time.
- Built **Tableau** Report on top of Data Mart to visualize the data which helps in making the business decision.

- Developed Data Monitoring Engine using **PLSQL** and **Tableau** for Defect prevention activities, metric data collection, analysis in the project.
- Completed **Python** for Data Science Certification provided by Microsoft.
- Developed Universal Windows Application for Appointment Scheduling for Business and Customer faced Apps using **XAML/C# (Self Learning)**.
- Developed **PL/SQL** packages to parse **XML** data and extract information from XML in order to calculate Net Rate based on Prior information available in the database.
- Developed **WPF** application to parse the PDF data and compare against the Oracle database to make sure the Income statement produced by Finance team is matching with what we showcased to Top Management.

Corporate (TCS) -Hartford CT

Sep 2015 – May 2018

IDS- Quick Glance Reporting / Pricing Redesign

Information Delivery Services (IDS) Scheduled Reporting aims in generating reports for Commercial lines, Claims and Wealth management portfolios. The reports are generated on a periodic basis to help the actuaries in understanding the business trend.

The Redesign project aims at retiring Mainframe file processes that are used for reporting. The data that is obtained in Staging is moved into data mart through various complex business rules that are written using Oracle stored procedure. The reporting solution is offered through MSBI, SAS and Web Reporting.

- Designed the DataMart for the New Application.
- Developed **PL/SQL** packages to produce the reports from Warehouse with specific point in Time.
- Built the data for Reporting in Multiple Layouts to get better understanding of data.
- Created **C#.Net** prototype for Executives who can use their voice command to filter, refresh the data in Dashboard.
- Built My **Own Voice Assistant** using **C#.Net** to automate my regular activities like Timesheet filling, Launching Favorite Websites, Searching in DataWiki a SharePoint site, Downloading reports from Portal.

Corporate (TCS) - Chennai TN India

Mar 2015 - Aug 2015

HIG - SAS Migration

Client does not want to spend more money in maintaining SAS Database. So, they wanted to migrate to Teradata database since the integration between SAS and Teradata is better than any other database.

- Analyzing the data available in the existing system to build the new application Built the prototype using **VB.NET** for library changes in **SAS** code which can update the library for many files at a time.
- Rewrote the **SAS** code into **Teradata SQL** to improve the performance.
- Implemented and integrated of the new application with the existing system

Corporate (TCS) - Chennai TN India

Sep 2011 - Mar 2015

CLDW/ARE/CDF

The Application CLDW (Commercial Line Data Warehouse) is a data mart for the client which helps in maintaining the history to generate the reports as needed. This application loads the data from different sources and processed into the data mart using ETL tools and stored procedures.

Automated Rating Engine (ARE) Project is to prepare the data from Oracle system to feed into Ratabase a third-party Tool installed in Linux server using C++.

CDF (Catastrophe Data Facility) Recovery is Emergency Project to back the original data which lost due to Database crash from the downstream application.

- Developed Dynamic **PL/SQL** packages to handle multiple Lines of Business.
- Tuned the **PL/SQL** code for better performance of the application which was running for more than 10 hrs.
- Rewrote the existing code in **C++** with **PRO*C**, improve Performance by executing the Oracle Procedures in threading and handled 3 projects in parallel. Analyzed the Data from downstream application to bring back to the required applications during the emergency like **Oracle** Database Crash.
- Developed new approach to simulate the daily **ETL** process includes **Informatica**, **PL/SQL** Procedures, Linux **Shell Scripting** in bulk mode.
- Handled the issues which are arrived during the simulation of daily process into bulk process to make data available as daily processed data.
- Developed **VB.NET** Application to automate the process of Retrofit development (Oracle Table Structure Changes) using Mapping documents as input.

- Developed **VB.NET** Application to modify the **Informatica** Mapping (XML Files) based on the inputs in Mapping Documents provided by Data Modeler.
- Developed **C#.NET** Application a frontend tool to compare the Database objects and dependency tracing in multiple environments and generate the report.
- Completed **MAPR** Course for **Hadoop** Developer and obtained Certificate
- Provided by **MAPR** Academy.
- Developed Linux **Shell Scripts** to generate Autosys **Jil Scripts** using parameters.

Corporate (TCS) - Chennai TN India

Aug 2010 - Sep 2011

Personal Lines Data Warehouse (PLDW) Exadata Migration

1M PLDW data warehouse was housed in Superdome server and Oracle 10g database. The EXADATA migration project, seeks to migrate the PLDW data warehouse from Oracle 10g to Exadata (Oracle 11 i).

- Developed complex **Informatica** Mappings and Workflow to load data.
- Developed **PL/SQL** packages containing several Procedures, Functions, Triggers, Cursors, Control Statements, Exceptions and Oracle bulk collect statements.
- Identifying the performance bottlenecks and solving the issues in time to meet our SLA.
- Developed UNIX **shell scripts** for file transfer, job automation, Code Migration between Environments.
- Developed test cases and performed unit test for the code.
- Documented the activities performed during the development and testing phase.

EDUCATION

Birla Institute of Technology and Science Pilani, Rajasthan, India

Dec 2012- May 2015

M. Tech (Software Systems)

Thiagarajar College of Engineering Madurai, Tamil Nadu, India

Aug 2006 - May 2010

B.E (Mechanical Engineering)