RAHUL R

SENIOR SOFTWARE ENGINEER

PROFILE

Oracle software developer with 4.10 years of experience in working with Banking Business Intelligence projects for reputed banking and other financial stake holders/Clients. Have extensive experience in reports development. Looking for opportunities to explore and gather domain knowledge to add upgrade to my skill set.

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PROFESSIONAL EXPERIENCE

Senior Software Engineer
TCS |Chennai |Project - CITI Bank| Sep 2021 – Present

- Design and develop PLSQL report based on the client requirements. End to End support for both development & testing.

- Worked on EDA & Data preprocessing techniques in order to understand the data and gather useful information for reports.

- Provide end to end support for both development & testing.

- Experience in developing financial reports for CREDIT RISK.

- Generating actionable insights from financial data and creating Reports and dashboards for the stakeholders.

Software Engineer
Infosys| Pune |Project - WESTPAC | Feb 2021 – Aug 2021

- Design & Develop PLSQL reports for FINCRIME.

- Experience in working Fusion Loan IQ.

- To analyze the BRD and prepare best suited database structure design for the project requirements.

- Worked on optimizing the report using Index & hints for better performance when accessing huge data dumps.

- Effectively used table partitioning for managing the huge volume of data to provide better throughput.

- Scheduling Jobs using Control – M for batch processing and Reports Generation.

- Worked with production support environment for balance mismatch, report error fix and data population extraction fix.

EDUCATION

Bachelor of Technology
Sri Sairam Engineering College, Chennai 44
Percentage: 75.6

High Sec School
Santhome Higher Sec School, Chennai 04
Percentage: 79.5

TECHNICAL SKILLS

- **SQL / PLSQL**
- **MySQL / Oracle / MongoDB**
- **UNIX**
- **ETL / EOD Production Support**
- **GitHub Actions**
- **SSRS / SSIS**
- **CI/CD Pipelines**
- **Autosys / Control M**
- **Statistics**
- **Python – NumPy / Pandas**
- **ML Concepts**
- **Data visualization**
- **Tableau / Power BI / Prometheus / Grafana**
- **Dockers / Kubernetes**
- **AWS ECR/EC2/ S3**
- **Heroku / Netlify**

Software Engineer

Sunoida Solutions | Chennai | Jul 2018 – Feb 2021

Project 1: NCBA BANK - T24 server / Exim Bank – Intellect / SBM Bank

- Experience in Data warehouse concepts. Implemented ETL strategies for non-oracle.
- Maintenance & Monitoring of daily ETL (PL-SQL, Pro*C) from Core Banking System & other satellite systems.
- Developing daily, monthly and history financial & management reports and also working with the Consolidated Bank departments to analyze & develop personalized reports.
- Visualize management report using BI Tools.
- Design ETL pipelines to Extract data from Central core banking systems to staging tables.
- Design Builds to automate the staging records into main Tables.
- Provided extended support to onsite clients in design and developing new Customer 360 Interactive Dashboards.

Project 2: BANKONE - Finacle

- Maintenance & Monitoring of daily ETL (PL-SQL, Pro*C) from Core Banking System (Finacle Core Banking Solutions) & Other satellite systems.
- Developed XBRL reports for Central Bank submission from Vision BI.
- Design PLSQL Reports based on client requirements and provide end to end Production support on business live.
- Liaise with the various Bank departments to validation and sign off the reports for Vision BI.
- To Design & Develop ETL pipelines & Builds for ETL automations

Project 3: BNR Bank / Coge banque / I&M Bank / FMB

- To lead the project activities (Technical/Non-technical) with domain experts, business analyst and software developers.
- Target to kick start and sign off end to end implementation of product modules.
- Developing daily, monthly and history financial & management reports and also working with the Bank departments to analyze & develop personalized reports (PL-SQL)
- Developed Central Banking reports using Vision BI.
- Provide end to end ETL support for EOD / EOM / EOY

Project 4: CAL Bank / Equity Bank (Rev Assurance)

- Design ETL Ready reports with most common CBS applications
- Capability to handle complexities and increase customer experience and user-friendly drag and drop reports
- Design Drill down daily variance reports to account levels to easily identify the revenue leakage
- Visualizing data to identify the revenue leakage using visualizing tools

RESPONSIBILITIES

- 4.10 Years of programming experience in Oracle PL/SQL in Analysis, Design & Develop Reports for Business Intelligence Applications for Banks and Financial institutions.
- Knowledgeable Oracle Developer skilled in data extraction (ETL), analysis and data management.
- Works well under pressure and consistently meets deadlines and targets delivering quality work.
- Experience with Data flow diagrams, Expertise in reports development using Oracle 19c/12c/11g/10g, PL/SQL, SQL*Plus, TOAD and SQL *Loader, UNIX.
- Experience in reports Creation using SQL Server Reporting Services (SSRS).

- Effectively made use of Tables, PL SQL Stored procedures, Functions, Indexes, Packages, Table Partitioning, arrays, Collections, Views, cursors, Triggers for the development of business logic as per client requirement.

- Good working experience in Data pump on IMPDP/EXPDP and UTL file packages.

- Knowledge in using SQL Server Integration Services (SSIS).

- Extensive domain knowledge in banking from International Banks and Financial Institutions.

- Coordinated with the Bank MIS (Management Information System) team to provide necessary reports and dashboards.

- Developed reports and dashboards specific to Bank departments as per the requirements.

- Knowledge in using UNIX shell scripts for various DB operations and business logic required for the process. Experience in using oracle hints and indexing for faster query retrievals as a part of database tuning. Experience in cron job scheduling of scripts to run at a specific days and time.

- Experience in working with Senior Data scientist & implementing Supervised & Unsupervised algorithms for predicting the

- Customer Lifetime Value of every customers contribution to the bank's profitability. Also, in prescribing the present value of future cash flow of a customer, throughout the entire length of the relationship with the bank.

- Developed code for end-to-end ML workflow such as data preprocessing, EDA, Model Execution, and Model Optimization.

- To reduce the time of Data preparation for ML models, implemented the EDA & feature engineering steps under ETL pipelines to minimize the data preparation steps.

- Experience in working with CI/CD Pipelines to automate the ML process.

- Knowledge in working with data streamlining pipelines.

- Performed end to end analysis on data extraction from core Data base using ETL pipelines based on the business plans.

- Experience in working with real-time data extraction for the central bank and represented myself as a technical analyst to instruct the stakeholders to follow the regulatory guidelines while providing the business data.

- Experience in working with core Banking systems like FINACLE, Intellect, T24.

- Monitoring the ETL/EOD/EOM/EOY process for BANKs & also Supporting ticket Issues.

- Prepared required technical document according to BRD, including both program-level and user-level documentation.

- Unix basic knowledge for searching file, builds run, builds scheduling and VI editor.

- Provided hot fix for banking environment with limited time period.

- Generated DDL Queries for creation of new database objects like views, sequences, functions, synonyms, indexes, triggers, packages, stored procedures for User Acceptance Testing

- Worked with production support environment for balance mismatch, report error fix and data population extraction fix.

- Scheduling Jobs using Control – M for batch processing and Reports Generation.

- Experience in working Fusion Loan IQ.

- Experience in working on CITI Paylite & Pay web products.

- Developed Inflow & Outflow reports for CITI Bank to estimate the Incoming & outcomes balance for all the CITI branches.

- Initiating payments and Transactions through Payweb & Paylite as a process of support activity along with the testing team to analyze the payment flow.

- Created Datamart by applying data warehousing concepts and performed different level of testing including data completeness, Data transformation.

- Built Vision BI pipelines (Builds) for each table modules to load the staging data into Vision main tables in accordance with considering the relationship of each table and creating Mappings for the target tables.

- Scheduling ETL cron jobs & Build pipelines to auto extract data from core banking and initiate builds on to insert records into target tables.

- Performed EDA & Feature Engineering on Target tables to collect insights and relationships of each data in tables.

- Experience in creating Interactive Customer 360 Dashboard which provides 360 views of Details of every customer using Data Visualization graph, pie charts bar charts and tables view.

- Experience in working with Bigdata Technologies like Pyspark and hive to handle huge volume of data.

- Manipulated processed and analyzed huge data using Python (pandas, NumPy) and SQL.

- Containerization & Orchestration for CI/CD using Devops tools like Docker & Kubernetes with cloud build

- Deep understanding of statistical concepts & techniques like Probability, Likelihood, Hypothesis testing, A/B Testing, Interpreting P- values, t-test, ANOVA.

- Extensive knowledge in working with cloud platforms like GCP, AWS & Azure.

- Experience in working with Azure Data Factory & Azure SQL DB.

- Experience in using various techniques like Histogram, Bar plot, Pie-Chart, Scatter Plot, Box plots to determine the condition of data using Matplotlib, Seaborn, plotly.

DECLARATION

I hereby declare that all the information furnished above is true to the best of my knowledge.

Place: Chennai

Date: 01-Apr-2023   Rahul R