Jayashree Nagaraja

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SUMMARY

Software fullstack developer with 9+ years of experience in MIS and Retail systems having a post-graduate in Machine Learning and Artificial Intelligence. Looking for challenging assignments and ample learning opportunities.

Primary Skills

PLSQL	Oracle SQL	Shell Scripting	Hadoop
Golden Gate	Hive	JDA	Unix

Secondary Skills

Machine Learning	NLP	Supervised Learning	React
Ensemble Techniques	OBIEE	Spring	Python

CERTIFICATIONS or AWARDS

- AWS Cloud practitioner
- Client appreciation award for re-platforming activities in the current project
- Multiple Insta awards from Infosys for Contractor Scaling application, Interface migration activity of a legacy system.

EXPERIENCE Summary

TCS, Bangalore *– Associate*

May 2022 – Present

- Overall 1+ year of experience in Retail project, as a Software Professional in JDA WMS tool.
- Experience in Jasper Reporting, PLSQL, SQL and shell scripting technologies.
- Engaged in projects that included assessments, configuration, deployment, implementations, technical script writing and live support.

Infosys Ltd, Bangalore - *Technology Lead*

Sept 2013 – April 2022

- Overall 8+ years of experience in Telecom project, as a Software Professional in Business/Data Analysis and PLSQL Development.
- Experience in full software development life cycle including requirement gathering from E2E designers, designing, development and debugging.
- Developing complex code units using SQL and PLSQL programming.
- Experience in developing Database objects like schema creation, index, triggers, tables, sequences etc.
- Experience in writing complex queries using analytical functions.
- Experience in Data Migration project from Legacy systems to new systems by creating XML using PLSQL XML packages. Experience in Oracle Database Migration from 11G to 12C version with Performance improvement for a few major time-consuming processes.
- Responsible for ETL from various sources using FTP, Shell Scripts, Oracle SQL*Loader, and external tables.
- Extensively worked on materialized view for remote instances to retrieve data from other databases.
- Experience in performance tuning using explain plan, table partitions, index creation and cost-based optimization.
- Experience in writing Hadoop workflow to load data from Oracle DB to Hive and vice-versa.
- Experience in writing complex shell scripts that are used for ETL as a wrapper.
- Single-handedly setup and maintained Oracle Golden gate which is used for data syncing between Live and DR databases.
- Involved in POC of BI tools(OBIEE, Tableau) during re-platforming for analyzing unique features and benefits.

Internal Projects

- **Dashboard application for tracking Contractor activity**
  - Developed screens using React JS to build graphs and tables.
  - Developed API for fetching data from database using Spring boot.
  - Calling API from react using AXIOS.
  - Designed and developed Contractor allocation algorithm using Java.
  - Designed and developed complex PLSQL procedures for processing and fetching contractor information.
  - Experience working in Agile methodology using tools like JIRA, GIT.

- **Application of creating business reports**
  - Developed web pages/screens using OHS ie: using PLSQL packages.
  - Designed and developed complex PLSQL procedures for processing the test results received.
  - Shell Scripting and SQL loading were used to fetch data received from multiple upstream systems and process the dataset to display in on web report.

- **Re-platforming activity – Migrating system to new software version**
  - Migration of DB objects from an older version (10 and 11) to the 12c version.
  - Single-handedly set up and maintained Oracle Golden gate which is used for data syncing between Live and DR databases.

- o Upgrading OS to latest version including updating shell script to make it compatible.
- o The sanity of all the existing processes and bug fixes in new environment.Setting up authorization of interfaces to the server using Oracle wallet, XFB etc.
- o Setting up authorization at Apache webserver to configure authentication using Siteminder application.
- o Migrated the legacy BI tool Discoverer to Oracle OBIEE.
- o Migrated the front-end web application built using OHS to the latest version and updated the code to implement the navigation bar.
- o Responsible for driving the entire project with a team of 3 people and delivering on time.

- **Updating application to handle new interface for data ingestion**
  - o Table structure was updated to handle the new data coming from the upstream interface.
  - o Rewrote the procedure and packages to send transformed data to downstream applications.
  - o Data Migration from Legacy system to the new system by creating XML using PLSQL XML packages

External Projects

- **IT-Ticket Automation using NLP:**
  - o Model classifies the tickets to allocate tickets to different groups by analysing text.
  - o Bi-directional LSTM and BERT model was used to process the dataset.
- **Predicting the term-deposit subscription using Ensemble Techniques:**
  - o Leveraged customer information of bank marketing campaigns to predict whether a customer will subscribe to term deposit or not.
  - o Different classification algorithms like Decision tree, Logistic Regression were used. Ensemble techniques like Random forest were used to further improve the classification results.

EDUCATION

Great Lakes Executive Learning, Bangalore - *Post Graduate Program in Artificial Intelligence and Machine Learning*

Dayananda Sagar College of Engineering, Bangalore - *Bachelor of Engineering, Instrumentation Technology*