

Iby James

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Professional Summary:

Highly accomplished professional with 15 years of software development experience, excelling in the Analysis, Design, and Implementation of Business Applications. Proficient in Oracle PL/SQL, Snowflake, Informatica ETL, Shell scripting, Python, Apex, Data Engineering, and Data Analysis. Skilled in optimizing database performance, implementing advanced PL/SQL concepts, and designing insightful data analyses. Demonstrated expertise in bridging the gap between complex technical concepts and business objectives. Experienced in Direct Loads, slowly changing dimensions (SCD), Data Conversion, Data Migration, Report Generation, and Interface Development using Oracle and Informatica modules. Proficient in data visualization tools like Tableau and Power BI for conveying complex data insights effectively. Proven track record of providing reliable and efficient support for Live Production Environments. Seeking challenging opportunities in the data engineering and analysis field to leverage my expertise and drive meaningful business outcomes.

Education /Certification:

- Post Graduate Program in Data Science and Business Analytics (UT Austin – 2023).
- Microsoft Certified: Azure Data Scientist Associate – Microsoft (2023).
- Tableau for Data Science – Udemy (2022)
- Master of Engineering in Computer and Communication (2014).
- Bachelor of Engineering in Electronics and Communication (2010).

Residential Status:

- US Citizen.

Skills:

Databases: Oracle (9i-12c), Snowflake, MS SQL Server (2005/2008), Sybase (12.5.4), and Postgres SQL (8.4).

ETL and Data Integration Tools: Informatica PowerCenter 10x and IDMC.

Programming Languages: PL-SQL, T-SQL, Python, Pro*C, JavaScript, and UNIX Shell scripting.

Data Analysis: SQL, Data Visualization, Statistical Analysis

Data Visualization Tools: Tableau, Power BI, APEX, and SSRS.

Data Warehousing: Data Modeling, Data Integration, ETL Processes

Tools & Frameworks: Pandas, NumPy, Matplotlib, Seaborn

Development and IDE Tools: PyCharm, Jupyter Notebook, TOAD, SQL Developer, SQL*Plus, TOra, PL/Sql Developer, Squirrel, WinSQL, Eclipse 4.3, Visual Studio Code.

Version Control and Collaboration Tools: Tortoise SVN, GIT, JIRA, Confluence, and Service Now.

Networking and Simulation Tools: Packet Tracer, and GNS3.

Operating Systems: Windows, Linux, UNIX, and Red Hat (5/7/8) operating systems.

Domains: Telecom, Banking, and Retail sectors.

Others: Data Cleaning, Data Transformation, Performance Tuning

Miscellaneous Tools: VM-Ware, Putty, mRemoteNG, WinSCP, BMC Control-M, Automic Workload Automation Suite (Appworx), MP-lab, NP++, TextPad, Open Office, One-stash, Jenkins, Trac, Beyond Compare, Soap UI, Postman Rest UI, MobaXterm, Sublime for various tasks.

Professional Experience:

Rexel USA. (January 2020 to Present) (5 Month contract under Paladin Consulting Inc.)

Sr. Application Developer.

- Developed Informatica pipelines and UNIX scripts for ETL processes (direct, incremental, and slowly changing dimension - Type 1, 2, & 3) in Oracle and Snowflake environments and facilitated file transfers between diverse remote servers.
- Streamlined job processes by eliminating redundancies, optimized system resources by cleaning multiple Oracle Packages, and enhanced performance by tuning sluggish SQL queries.
- Led a team of five engineers in the design and testing of new products, ensuring adherence to quality standards, timely delivery, and client satisfaction.
- Implemented an advanced version of the in-house job scheduling system using Informatica and Oracle, enhancing operational efficiency.
- Designed Oracle Apex reporting pages for various exception handling scenarios in master data management, ensuring effective monitoring and resolution.
- Conducted complexity analysis for data migration projects and generated automated performance and reconciliation reports for transaction-level testing, improving project efficiency.
- Collaborated within the project team to ensure the adoption of optimal design solutions for the newly established data foundation layer.
- Participated in the evaluation and implementation planning of new technologies to improve automation of existing job processing mechanism.
- Proactively assessed existing multidimensional models, architectures, and systems, offering valuable recommendations for improvements in data migration projects.
- Participated in incident resolution and problem analysis using a variety of technologies, ensuring efficient issue resolution.
- Supported Informatica migration to the cloud (IDMC), managed Unix version upgrades, and contributed to DR infrastructure testing.
- Generated and maintained detailed design and data mapping documents, ensuring accurate and up-to-date records.
- Conducted data analysis using Python, generating actionable insights, and contributing to data-driven decision-making processes.
- Collaborated with data scientists and analysts to understand data requirements and provided clean, transformed data for analysis and modeling.

Infosys Ltd. (January 2017 to January 2020)

Technology Analyst – Clients: Verizon, Altice USA, and TTI Inc.

- Implemented business modifications in telecom blocking functionalities, including user blocking, call teardown, unpaid customer filtration, and geo expansion within the system.
- Executed data cleansing, transformation, and validation processes, ensuring data accuracy and consistency.
- Utilized SQL for querying large datasets and generating custom reports, providing valuable insights for business stakeholders.
- Developed and revised PL/SQL packages, functions, procedures, and triggers, employing techniques like indexing, hints, global temporary tables, cursors, and ref-cursors.
- Designed multiple Batch Job Interfaces for data cleanup, processing, archiving, and loading through shell scripts and SQL Loader.

- Executed flat file loading using UTL_FILE and SQL LOADER methods.
- Collaborated with internal teams and stakeholders for on-site project-specific activities, contributing to the preparation of LOE and project planning.
- Led the team in creating reports using REST and SOAP services, overseeing both major and minor enhancements in the project.
- Expertise in writing SQL queries, subqueries, join conditions, correlated subqueries, in-line views, and PL/SQL programming.
- Conducted SQL and PL/SQL tuning as well as application tuning using tools such as EXPLAIN PLAN, AWR reports, hints, indexes, and Oracle Functions.
- Addressed assigned issues by analyzing them, identifying, and evaluating various workaround/solution options, implementing optimal solutions, supporting team members in issue resolution within specific areas of expertise, managing stakeholder communication, and closing the issues.
- Interacted with internal teams and external stakeholders for on-site project activities, including report creation and project enhancements.

Freelancing (September 2016 to December 2016)

Software Engineer – Clients: United Media Solutions

- Developed, Hosted and Maintained Website for United Media Solutions

Infosys Ltd. (March 2014 to August 2016)

Technology Analyst – Clients: Deutsche Bank (DB)

- Developed various database objects, including Tables, Indexes, Triggers, Views, Materialized Views, Oracle Jobs, Database Links, Synonyms, and Snapshots.
- Modified Control-M configuration and database objects to align with specific requirements and business needs.
- Created comprehensive design, API, and Release documents throughout the project duration.
- Orchestrated team efforts for different deliverables and managed overall project activities.
- Conducted SQL and PL/SQL tuning, as well as application optimization, utilizing tools such as EXPLAIN PLAN, SQL*Trace, TKPROF, AWR reports, and AUTOTRACE.
- Collaborated with the Informatica team, working on Informatica PowerCenter Designer, Workflow Manager, Workflow Monitor, and Repository Manager for various workflow tasks.
- Optimized performance of Oracle objects and SQL queries to enhance system efficiency.
- Implemented data filtration to the portal using diverse Oracle triggers.
- Analyzed Control-M configuration and adjusted existing database objects' functionality according to specific requirements.
- Evaluated Database objects and Unix Modules like Batch Reports, Shell Scripts, and Jobs, eliminating redundant code and system parameters.
- Tracked and managed issues in ServiceNow, utilizing GIT and SVN for version control.
- Conducted performance tuning, unit, regression, and performance testing, promptly addressing, and resolving any identified issues.
- Assisted in the creation and maintenance of interactive dashboards and data visualizations, enhancing data accessibility for non-technical stakeholders.

Cognizant Softvision (October 2010 to March 2014)

Software Engineer – Clients: Genuine Parts Co. (GPC), Macys, and Hudson's Bay and Trading Co. (HBC)

- Generated daily, weekly, and yearly sales summary, and comparison reports by processing diverse inputs.
- Revamped the existing report format into a streamlined, integrated version, reducing user effort significantly.
- Designed and implemented various database objects, including Packages, Functions, Procedures, Triggers, Synonyms, and Views.
- Developed Unix Modules such as C programs, Pro*C, Batch Reports, Shell Scripts, Control Files, and Cron Jobs.
- Played a key role in the database migration from Sybase to Oracle, creating new Oracle Objects to facilitate the transition.
- Conducted Data Mapping and Validation using Oracle packages, leveraging advanced PL/SQL features like Bulk Binding and PL/SQL tables.
- Led data migration efforts from Oracle 9i to Oracle 11g database, employing PL/SQL and SQL*Loader for seamless transition.
- Formulated complex SQL queries for detailed sales summaries and data comparison reports.
- Implemented partitioned tables and indexes to enhance application manageability and scalability.
- Successfully resolved deadlocks, created schemas, and performed data dictionary refresh on tables in collaboration with the DBA team.
- Utilized hints and effective entity relations to optimize query performance.
- Developed ER Diagrams, encompassing both logical data models and physical database designs, using MS Visio.
- Utilized WinSql for efficient file transfers and conducted testing using shell scripts.
- Maintained version control using SVN for different phases of the codebase.