## Raju Bakthavatsalu

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**Summary**

* **Over 10 years’** experience in Full SDLC with 5 years of extensive experience in **Oracle Database Development,** **Data Warehousing, and Data Modelling.**
* Experience in Data Warehousing, Custom ETL’s, and Business Intelligence using Crystal Reports, Crystal Enterprise, Oracle 11g/10g/9i, MS SQL Server 2008/2012 in Supporting 24x7 applications
* Excellent experience in System Analysis, Design, Data Modeling – **OLTP**
* Experience in Data Modeling using **ERWIN,** conceptual and Logical Data Modeling, Data Mapping
* Create/Translate Requirements Technical Specification, Process Flow diagrams
* Proficient in Oracle **PL/SQL programming**
* Experience in performance tuning and **SQL optimization** using (Hints, Explain Plan, Auto Trace), restructuring tables, de-normalize tables and build Materialized views
* Proficient in Shell Scripting, VI editor.
* Worked in Oracle RDBMS (9i, 10g, 11g) with UNIX and Win NT environment
* Experience in using Parallel Query, Partitioning and Analytical functions
* Experience in data migration techniques using SQL\* Loader and External TablesExcellent project management, scoping, development life cycle and implementation experience
* Strong in **Database Design**, System Architecture and Development of Relational / Multi-Dimensional Schemasfor **Data Warehouse**, **Data Modeling, Data Migration**, development, enhancement, implementation, maintenance and support of applications developed under ORACLE (11g/10g/9i/8i).
* Experience in implementing different options in Oracle like **Parallel Query, Partitioning** and **Analytical** functions.
* Experience with handling very large data files using export & import and **SQL\*Loader**.
* **Experience in using TOAD, PL/SQL Developer and SQL Navigator etc.**
* Expertise in writing/ debugging of **Stored Procedures**, **Functions**, **Triggers, Views, Indexes and Sequences.**
* Extensively worked on the AUTOSYS scheduling tool.
* Strong foundation in Documentation, Quality Process, Hardware/Software Evaluation and Estimation. Exposure to high level design and building efficient databases. Interacted directly with developers and end clients for translating, customizing and enhancing application for achieving maximum database throughput.
* Strong **Analytical, Organizational, Inter-personal** and **Communication** Skills.
* Scattered experiences in Oracle Forms & Reports, Java, ASP, .Net
* Excellent Analytical and Communication skills and a good team player
* Quick learner & Self-directed

**Technical Skills**

**Databases Technologies** ORACLE 11g, 10g, 9i, 8i, MS-Access

**Data Modeling Tools** ERWIN, Rational Rose Data Modeler

**Reporting Tools** Business Objects xi R3 – Designer & Infoview

**Oracle DB Tools** SQL\*Reports, SQL\*Loader, Explain-Plan, Tk Prof

**PL/SQL Tools** SQL\* Plus, SQL Navigator, TOAD, PL/SQL Developer

**Languages** C, PL/SQL, VC++

**Operating Systems** UNIX 4.0d, Sun Solaris 2.6/2.8, Win NT, Win XP/2000

**Other Tools** HTML, JSP, JavaScript, XML

**Hardware** IBM PC compatibles

**PROFESSIONAL EXPERIENCE:**

**Wells Fargo, Des Moines, IA Jun 2012- Present**

**Oracle Developer/Data Analyst**

**Responsibilities:**

1. Analyze requirements, Create design documents, Process flow Modeling
2. Involved in designing Logical and Physical conceptual data model using **Erwin.**
3. Constructed complex quantitative data models to answer questions by gathering and structuring data, creating formulas or queries to manipulate data, validating data accuracy and integrity and insuring the models output answers the intended questions. Created Ad-hoc reports as needs arise.
4. Responsible for the mapping of the data from source to target
5. Work with DBA team to manage databases (Prod, QA, and Dev) efficiently
6. Worked with DBA team to manage efficiently databases (Prod, QA, and De.) at a time and did a successful **migration from Oracle 9i to Oracle 11g.**
7. Developed Packages and customized functions and Triggers based upon the business logics.
8. Used **Explain Plan** for analyzing performance for database objects, tuning and optimizing the PL/SQL code using **TKPROF.**
9. Developed back end interfaces using PL/SQL stored packages, procedures, functions, Collections, Object Types, triggers, C, Pro\*C, Shell scripts.
10. Developed shell scripts to kick off back end PL/SQL, SQL programs.
11. Developed **triggers and PL/SQL procedures** for automation of jobs scheduling
12. Analyzing performance of database objects and suggesting DBA for **Indexes, schema gathering, partitioning, explain Plan, TK PROF.**
13. Automation and scheduling of UNIX shell scripts and batches using Autosys.
14. Used **SQL\* Loader** to upload the bulk data from formatted text files into Oracle tables.
15. Developed Reusable routines for data migrations
16. Extensive PL/SQL developments using Multithreaded approach for Data intensive Batch processes

**Environment:** Oracle 11g/10g, SQL\*Loader, Autosys, KORN Shell Scripting, SQL\*Plus, Toad

**Bank of America, Charlotte, NC April 2011 – Jun 2012**

**Role: Oracle Developer**

**Responsibilities:**

* Gather requirements from Business Users and document the same
* Design and develop the data models for the database
* Load flat files from Up-stream systems into our system using SQL\*Loader
* Coded for Extraction, Transformation and Loading processes from external files
* Fine tune queries and packages for performance of ETL processes
* Maintain database objects to create and modify using DDLs and DMLs
* Developed Shell scripts to automate execution of scripts to monitor and load
* Loading process validates, loads incoming data into master and error tables
* Automated reporting through email to address fallouts in pre and post migrated data
* Perform integrated testing for completeness of functionality speaking to Business Users to gather requirements and creation of Design Documents.
* Creating and managing table, Indexes, table spaces, db links and privileges.
* Involved in the logical design of the Datamart.
* Loading flat files coming from Up-stream systems into Oracle using SQL\*Loader.
* Developed Procedures for Morphing Sensitive Customer Details.
* Developed Packages and procedures for Extraction, Transformation and Loading processes.
* Improved the performance of ETL process by fine tuning queries, creating appropriate indexes and using temp tables.
* Used **TOAD, PL/SQL developer** tools for faster application design and developments **Performance tuning, SQL tuning.**
* Generated DDL Queries for creation of new database objects like **tables**, **views**, **sequences**, **functions**, **synonyms**, **indexes**, **triggers**, **packages**, **stored procedures**, **roles** and **granting privileges**.
* Developed **Shell scripts** to automate execution of SQL scripts to check incoming data with master tables, insert the valid data into Customer Management System and invalid data into error tables which will be sent back to sender notifying the errors
* Produced SQL **reports** to address the fallouts between pre and post migrated data.
* Created Dashboard reports for Higher Management.

**Environment:** Oracle 10g, UNIX (Solaris), Autosys, SQL\*Plus, PL/SQL, SQL\*Loader, Toad, KORN Shell Scripting

**Chesapeake Energy Oklahoma City, OK Aug 2010 – Mar 2011**

**Role: Oracle Developer/Support**

**Responsibilities:**

* Implement and maintain Database design
* Monitor jobs and **tune queries** for performance
* Generated server side **PL/SQL scripts** for data manipulation and validation and created various **snapshots** and materialized views for remote **instances**
* Produced SQL reports, data extraction and data loading scripts for various schemas
* Wrote **DDL, DML** scripts for Schema, **Table space** and Cluster creation and alteration
* Involved in **code reviews and Production Support** and Carried the pager on roaster basis
* Created Ad-hoc reports as needed and carry out report projects as required
* Analyze existing code and tune to improve the performance
* Developed SQL Queries to fetch complex data from different tables in remote databases using **joins**, **database** links and formatted the results into reports and kept logs
* **Developed complex reports** based on an Oracle views using running totals, sub totals, grand totals and conditional formatting
* Written **shell scripts** for downloading(FTP) the data file and executing batch jobs
* Developed and scheduling **Autosys jobs** using UNIX scripts (Creating .jil file)
* Fine Tuned procedures for the maximum efficiency in various schemas across databases using Oracle Hints, Explain plans and Trace sessions
* Generated and maintained Keys, Constraints and Relationships between the tables
* Optimized critical queries to eliminate Full Table scans reduce Disk I/O and Sorts

**Environment:** Oracle 10g, SQL\*Plus, PL/SQL, SQL\*Loader, Toad, KORN Shell Scripting,

**FedEx, Memphis, TN Feb 2008 – Jun 2010**

**Role: Senior Software Engineer**

**Responsibilities:**

* Worked on Conversion (Re-engineering) project from Mainframe(VSAM) to Oracle 9i Database
* **Data Mapping** for Data Structures on COBOL, DB2, MS-Access and other free-form of data
* Transform user requirements into Conceptual Model
* Create **Data Flow diagrams** for the OLTP system
* Designed/Data Modeling and Implement database in Oracle 9i
* Prepared database design document using **ERWIN**
* Design and develop primary database objects (tables, views, indexes, triggers, constraints)
* Developed huge number of objects and procedures, functions and triggers using PL/SQL and SQL
* Fine tune **SQL Queries** using hints for maximum efficiency and performance
* Develop **ETL** to handle large data volumes using SQL\*Loader and PL/SQL
* Created Visual tools for defect prevention and database concurrency to support conversion
* Managed database **Migration process** of new application releases including Korn Shell scripts
* Design, develop, test and document all external derivations and test scripts written as part of the Migration project using Oracle database packages, procedures and functions
* Creation of schema objects such as Oracle tables, indexes, synonyms, and Migration of database objects to test and development environments
* Implemented **process standards** for Efficient and Future Expansions
* Transfer of Knowledge to the Customer on the Migration and Data Auditing Process techniques at customer’s request.
* Tuned frequently used **SQL Statements** and **PL/SQL Blocks using SQL-Lab** and increased performance by passing appropriate **HINTS, by utilizing the best optimization techniques**.
* Fine-tuned application logic for better performance Developed **complex queries, functions, store procedures** and triggers using **PL/SQL**
* Designing Created stored sub programs with **Dynamic SQL at both client and Server side.**
* Involved in table redesigning with **implementation of Partitions Table and Partition Indexes** to make database faster and easier to maintain.
* Wrote **ad-hoc SQL** for data analysis.
* Tuning of stored procedures & developed business logic in database layer using **PL/SQL.**
* Automation and scheduling of UNIX shell scripts and batches using Autosys.
* Worked **on PL/SQL Packages, Procedures, Objects, VARRAYS, Functions, REF Cursors**

**Environment:** Oracle 9i, PL/SQL, SQL\*PLUS, SQL\*Loader, TOAD, ERWIN, Rational Rose Modeler, UNIX, KORN Shell Scripting

**Mphasis (Hewlett Packard) Dec 2004 – Jan 2008**

**Role: Programmer Analyst**

**Responsibilities:**

* Enhanced the application to determine the aggregated health status of each server
* Enhanced the app for automatic report generation of health status of server
* Provide support for new Windows OS and HP servers being released
* Fix existing issues and provide work around solutions to field issues
* Document the bugs in detail
* Performed Functional, Black box, Acceptance, Usability, AD-Hoc, Regression, and Verification testing
* Mentoring new team members to bring them up to speed
* Performed Peer Reviews and suggest improvements
* Prepare/update the specification for successful building of the application binary
* Keep the build setup updated with the latest security patches released and running

**Environment*:*** VC++, Win32 API, HTML, XML, XSLT and JavaScript