



Senior Oracle Developer

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Senior Oracle Developer – Cendien – Oracle Experts

Oracle Professional Services

Extensive experience including many years of analysis, design, programming, performance evaluation and improvements of many different real time applications varying from network communication to brokerage, banking, insurance and accounting systems. Expertise can be provided in: UNIX/C/SHELLS, ORACLE (PL/SQL, PRO*C, DBA Functionality), SYBASE (Transact-SQL, Stored Procedures & Triggers), INFORMIX/4GL.

Oracle Technical Skills

OS SYSTEMS: UNIX, AIX, SUN-OS, DG-UX, Windows NT/XP, Windows 95/98

DATABASES: ORACLE, SYBASE, INFORMIX, INGRES, SQL SERVER

LANGUAGES: C, SHELL, PL/SQL, PRO*C, SQL*Plus, SQL*Loader, BCP

POWERBUILDER 3.x – 10.x

DEV TOOLS: ERWIN, SQL NAVIGATOR, TOAD, DB Artisan, RapidSQL,

SCCS, Clear Case, VSS, PVCS

Oracle Clients / Experience

International Client

Consultant

Designing and developing sub system to automate trade reconciliation between company and brokers. Sub System processes convert daily brokers PDF Files into TXT Format and load them into Oracle Data Base.

- Shell scripts to perform extraction, transformation and loading data into staging tables by using SQL*Loader.
- PL/SQL Stored procedures to transform and load data into production tables.
- Present mismatched and missing trades in GUI TreeView by using PowerBuilder.
- Involved in upgrading of existing PowerBuilder Applications. Majority of upgrades require involvements into existing packages and stored procedures written in PL/SQL.
- PowerBuilder 10.2.1, Oracle 9i, PL/SQL Builder, SQL*Loader, Unix, Korn Shell

Government Client

Consultant

- Migrated remote E-Mail Scheduler Subsystem to Powerbuilder Version 9 to employ Powerbuilder native PDF Functionality instead of used 3rd party package.
- Wrote report generator for the most frequently used type of reports to combine the common logic in ancestor to become the only place for any changes or upgrades.

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- Moved the majority of the embedded SQL into ORACLE Packages and Procedures to achieve high level of encapsulation, performance and security. Applied advanced ORACLE techniques including collections, reference cursors, PL/SQL tables, bind collect, bulk bind, tuning etc.
- Performing repairs of many faulty places reported by customers.
- PowerBuilder 7 & 9.02, Oracle 9i & 10g, SQL*Loader, PL/SQL Builder is used for development.

Healthcare Industry

Consultant

- Created development environment to support and enhance CareConnect System which is PowerBuilder and Sybase based.
- Researched technical possibilities of migration to WEB (C#. NET) for existing PowerBuilder Applications.
- Performed tuning of Crystal Reports taking too long to execute periodic decision making reports.
- Performed tuning of the Oracle Stored Procedures taking too long to execute.

PowerBuilder 9.02, Oracle 9i, SQL*Loader, Sybase 11, RapidSQL, TOAD, PL/SQL, Crystal Report were used for development.

Healthcare Industry

Consultant

Based on thorough research of Foundation Data Warehouse (FDW) System I came up with recommendation for implementation of the new functionality for keeping track of forecasted financial estimates and actual expenditures of studies for newly developed drugs. As one of the highlights of the recommendation could be mentioned the creation of the persistent staging area and robust staging facilities to allow traceability of data flows through ETL processes. The implementation of the project consisted of design and development of new and upgrade of existing Oracle 9i Database Objects such as Tables, Stored Procedures and Triggers plus of the Sun Os 5.9 UNIX shell processes. Development of FDW comprise many different technologies including Sun Os 5.9 UNIX, KORN Shell, ORACLE 9i, SQL*Loader, PL/SQL, SQL*Plus, SQL Navigator, VSS

Financial Client

Consultant

In a frame of the huge permanently evolving system, which covers virtually all bases of the credit cards transaction processing, I performed a few projects by adding new functionalities in different areas of the system. Projects are based on Oracle 9i (backend) and Powebuilder (GUI frontend). I have also performed system migration to Powerbuilder 10.2.1. The company maintains a very strict development cycle in which I was heavily involved:

- ERWIN for tables and related Triggers upgrade or creation;
- TOAD for ORACLE PL/SQL upgrade or create objects including Packages, Stored Procedures, Triggers, Functions;
- UNIX/SQL Loader to write control files to enter data from Input Files;

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- UNIX/Shell to write batches and installation scripts;
- Clear Case for source code control etc.

Powerbuilder 10, UNIX Solaris, Korn Shell, Oracle 9i, TOAD, PL/SQL, SQL*Loader, SQL*Plus, Erwin and ClearCase are used for development.

Financial Client

Consultant

Responsible for technical support of EMS and ARTEMIS Systems comprise many business applications like Employee Trading, Project View, Track View and Web View. EMS system developed in house and written using PowerBuilder with SYBASE on a backend. System automates business rules set by the Compliance Department. Responsible for:

- Design and development of new functionalities for the EMS system such as Employee Tracking for HR Department, which I've designed and developed as a nightly process for daily data load and GUI front end for display and reporting.
- Requirements gathering, design & development to incorporate Mutual Funds Trading into EMS.
- Both systems accumulate valuable for administration information, which already presented by existing reports but more and more reports required by management, which I provided.

UNIX Solaris, Korn Shells, Oracle 9i, PL/SQL, Sybase 12, DB Artisan, PVCS, Power Builder 9.02, Crystal Report 9, PC Anyware, Telnet are used on a daily bases.

Healthcare Industry

Consultant

Designed, developed and implemented the Test Data Input System for major defense company. Test data, stored on special secure cartridges, plugged into special devices to be read and to create multiple flat data files which could include BLOB Data and Timestamps with hi resolution requirements. Responsibilities included but not limited to:

- Data Base design (logical and physical models) with constraints and indexes tuned to achieve strict performance requirements;
- Developed set of dynamic stored procedures to provide hi performance of data load and transfer between different data bases;
- Wrote Unix/Windows batch/shell scripts to load data from flat files into Oracle 9i tables using SQL*Loader and Stored Procedures;
- Wrote ADHOC Reporting tool, by using Dynamic SQL, to allow users to observe test results;
- Created Unix/Windows scripts/shells for backup and recovery processes;
- Performed tuning of many system processes including reports, SQL statements, load processes and procedures;
- Developed Unix/Windows batch/shell scripts to totally automate deployment of the system on any Unix/Window based machine within minutes.

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- UNIX Solaris, Korn Shell, Oracle 9i, TOAD, PL/SQL, SQL*Loader, SQL*Plus were used for development.

Financial Client

Consultant

Designed, developed and implemented Health Care Benefits functionality into the turnkey system which brings to smaller companies a total package from the payroll to benefits administration.

Countless Health Care Providers and endless Business Rules of their engagement required many stored procedure and triggers to be written. Other responsibilities included:

- Through close interaction with users discussed the business validity of data, whenever there was a data quality issues
- Creation of database logical and physical models, tables, constraints
- New logic implementation using Powerbuilder V.8
- Technical support, maintenance and migration to Powerbuilder V.9
- Applied Oracle 8i features for the optimum performance of SQL by using Explain Plan and SQL Tracer
- Through close interaction with DBA Oracle established backups and recovery scenarios for project
- Created numerous decision making reports using Crystal Report 8

Development of Health Care functionality for the system required knowledge of different skills like ORACLE 8i, SQL*Loader, KORN SHELL and PowerBuilder 8.x

Manufacturing Client

Consultant

As a senior consultant on a project, I was extensively involved in gathering business requirements, design, development and implementation of the entire system. I've performed reengineering of the legacy system to run under SUN-OS, Korn Shell and Oracle 8.1.7 with upgraded functionality to include new geographical regions.

- Operation analysis and requirements writing
- Logical and physical modeling, tables, constraints and indexes
- Developed Custom Loader for inputting files with a very complicated structure by using Pro*C into Oracle Database
- Monitored and trouble shoot problems for the daily loads to the database
- Developed Solaris/Unix Shell scripts for automation of loading process
- Wrote multiple stored procedures, triggers and packages
- Developed GUI front End for: input data, display results or produce multiple decision making reports
- Technical documentations, user guide and test plan
- Extensively tuned SQL Statements for their optimum performance by using optimizer hints and indexes
- Established backup and recovery scenarios for the projects database

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System implemented by using Oracle 8.1.7, PRO*C, PL/SQL, SUN-OS/C/Korn Shell, Powerbuilder 7.x, SQL Navigator

Financial Client Consultant

- Design, development and implementation of LINK System to accommodate banks merger by providing free and secure data exchange between three databases ADATABASE, ORACLE 8.1.7 and SYBASE 11 used by Private Banking Systems and SEI Data Repository. New logic and functionality were written in Pro * C for Oracle and embedded SQL for Sybase 11.
- Implemented functionalities and significant changes to the old logic to front end of the system written with Powerbuilder 7.x
- Created database model, tables, constraints and indexes. Wrote multiple stored procedures and triggers.

The implementation of the LINK System required involvement in at least five different technologies: PowerBuilder 7.0, Microsoft Visual C/C++, SEI ODT Client Software, ORACLE PL/SQL, PRO*C, SEI, SYBASE 11/CT/CS Client Software.

Government Client Consultant

Has been hired to take over and provide 'in-house' expertise for partially developed Preliminary Arraignment System (PARS) which is a client/server application linking together all Police Districts, Attorney Offices and Justice Courts of the City of Philadelphia. I have provided the leadership and technical expertise to development group responsible for the system maintenance and support. Accomplishments are:

- Designed, developed and implemented unaccomplished system functionalities
- Rewrote source code to fix transactions and errors handling
- Designed and developed User Objects to encapsulate different functionalities
- Developed many stored procedures to improve system performance
- Rewrote automatic system deployment loader
- Rewrote WISE packaging scripts
- Migrated system to Powerbuilder 5.x and 6.x
- Trained personnel and end-users
- Designed and implemented logic to overcome system short comings which caused a lot of deadlocks by implementing the set of triggers to control setting and releasing of the hold locks.

Established backup and recovery scenarios for the projects database.

System implemented by using Powerbuilder 5.x-6.x, SYBASE 11, SUN-OS/Korn Shell

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Consultant

Designed, developed and implemented:

- Security functionality for Expert System (I-Link) designed to facilitate an entry and maintenance of company products. The major requirement for implementation was to avoid massive changes to the existing application. I have achieved that by adding common security logic to ancestor "w_sheet" which caused common security logic to be propagated into all of the system sheets through object inheritance. The only minor specifics needed to be added to existing windows.
- Maintenance and upgrade of existing applications
- Numerous decision making reports
- Used ORACLE 7.x monitoring and tuning facilities like clustering, update statistic, and explain plan to research and improve application performance. Performed system upgrade to be Y2K compliant.

Solely responsible for design and development of the Legal Contract's Generator. Generator logic encapsulated in user object and built around RTE control. User Object dropped on an appropriate windows and new logic added to automate Legal Contract generation.

- Mail-merge functionality for the outbound correspondence
- Physical database model to carry list of document templates with their input fields and data source of the corresponding data to achieve mail merge automation
- Report generator with logic encapsulated into user object and set of polymorphic functions to reflect different report's original logic
- Multiple stored procedures, triggers and packages
- Extensively tuned SQL Scripts statements for their optimum performance by using optimizer hints and indexes

System implemented by using Powerbuilder 5.x&PFC with ORACLE 7.3, PVCS

Telecommunication Client

Consultant

I have been solely responsible for designed and development of:

- Report Generator for Computer Aided Dispatch System
- The reusable user object was introduced to encapsulate the common logic required by reporting sub-system plus a set of the polymorphic functions, which where used to reflect original logic for the specific reports
- Wrote multiple stored procedures and triggers
- I was heavily involved in the activities like modeling, creating and modifying tables, constraints, indexes, synonyms
- The report generator provided rapid reports development and a common feel and touch environment for the end users of the system.

Designed, developed and implemented:

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- ADHOC Query reports generator. The system enables users with capabilities to create, maintain and execute their own queries, which could be defined, saved, updated and latter reused or removed. The implementation supports dynamic creation or modification of the SQL statements, based on data windows created to achieve project's presentation requirements
- Created database model, tables, constraints and indexes. Wrote multiple stored procedures and triggers
- Performed performance improvements by using Explain Plan.
- OLE-ed ADHOC with the Imaging System to provide WYSIWYG display.
- System implemented by using Windows NT, ORACLE 7.x, PRO*C, Powerbuilder 4.x

Transportation Client

Consultant

Designed, developed, implemented and performed:

- Advanced Toll Collection and Accounting EZPass System including detail design and set of top down process diagrams, database model, data dictionary, tables definitions and screens layouts
- UNIX Management (Installation, Tuning, Performance Improvements, Users Managements, Backups)
- Business Automation System including Accounts Payable, Accounts Receivable, Order Entry, Inventory Control, General Ledger which was written in INFORMIX /4GL and UNIX/C. The system integrated VSI Fax and UNIPLEX packages

System implemented by using Powerbuilder 3.x, INFORMIX/4GL, UNIX/C/Shell.

Consulting Client

Consultant

Designed, developed, implemented and performed:

- Brokerage System to deliver market floor to each broker PC Station
- Simulation Package to automate regression testing of Brokerage System
- Dynamic priority polling algorithm to boost up Brokerage System performance
- Significant changes to I/O board's firmware to receive frames of Ticker III service
- Credit card authorization system based around Integrated Circuit Cards (ICC) and Card Acceptor Device (CAD)
- UNIX Management (Backup, SCCS Administration, Tuning)
- UNIX installation, setting up development and production environment
- Support, upgrade, development and implementation of new functionality
- System to handle Dow Jones News Retrieval
- Support and administration (Installation, Performance, Support and Recovery) of UNIX V.3, INFORMIX SE

System implemented under UNIX/C/Born Shell, INFORMIX

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Oracle Education / Certifications

Master Degree in Data Processing
CSC Advanced Courses ORACLE 8i, DBA & DEVELOPMENT
DPT WEB Design Class (ASP, VBScript, JAVA, JAVA Script)
Rational Rose, Object Oriented Design Class
UNISYS UNIX V.4 Release Update CS5561
UNISYS UNIX V.3 Release Update CS4267
UNISYS UNIX Process Management CS4252

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