



## Senior Oracle Developer

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## Senior Oracle Developer – Cendien – Oracle Experts

### Oracle Professional Services

- A Seasoned IT Infrastructure Architect with 12+ years of experience in IT HW & SW requirement analysis, system sizing and design, development and implementation, administration and management of databases and systems
- Secret cleared experience includes stints at DOD, Army, USDA
- Extensive experience in systems and applications design and implementation, database management systems, systems administration and software configuration management. Design and development of Information Systems for mission critical agencies such as Pentagon and the army with critical failover capabilities
- Expert in fully automating the build, installation and configuration of proprietary and third party software resulting in highly reproducible software installations.
- Strong background in the integration of proprietary and third party software on UNIX platforms.
- Expert level knowledge of cross platform integration
- Experienced Oracle DBA, UNIX and Windows System Administrator and Web Administrator on large scale systems
- Adept at routine Oracle Database Administration (DBA) tasks including installation, creation and replication of databases, management of tablespaces, logs, grants, roles, users, indices and performance tuning
- Backup and recovery of Oracle databases using conventional methods and RMAN
- Tuning database parameters to enhance performance
- Advanced replication of Oracle databases using SharePlex for Oracle
- Developing database triggers and server-side stored procedures in PL/SQL to enforce business rules, maintain data integrity and perform column level audit trail
- Developing logical and physical data models using Designer/2000
- Developing GUI applications using Oracle Forms. Generate reports using Oracle Reports, SQL \*Plus and Crystal Reports
- Solaris system administration tasks including installation of the operating system, network configuration, server management and remote monitoring of Solaris servers
- Well versed with OS backups
- Exposure to configuring and maintaining NAS
- Extensively worked on SUN SPARC systems
- Basic network troubleshooting skills and resolving network connectivity issues
- Detailed analysis of existing hardware/software on SUN servers to come up with a migration plan

### Oracle Technical Skills

DATABASES: Oracle V6.0/7.x/8.x/9.x/10.x, SQL Server 6.5/7.0/2000

SOFTWARE: Developer/2000 – Oracle Forms 4.5, Oracle Reports 2.5, SQL Forms 3.0,

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Designer/2000, TOAD for Oracle 7.0, SharePlex for Oracle 5.0, PeopleSoft 7.0, SQL Base, Crystal Reports 4.0, Arc Serve 6.5, Solstice Disk Suite 4.2.1, Sun RAID Manager 6.22, Veritas Volume Manager 3.5, Veritas NetBackup 4.5, Solstice Backup Suite 5.1/6.0

HARDWARE: Sun (SPARC) 3500/450/250/220R, Sun Fire (V220, V440, V880, V890, 3800, 4800), HP-9000, PC-486, Pentium, DEC 3100, VAX 8250/6210, Intergraph 220

DBA TOOLS: OEM Grid Control 10gR2, OEM Database Control 10gR2, OEM 9.2/2.2, TOAD, SQLab Expert, DB Artisan, BMC Patrol

WEB SERVERS: iPlanet 4.0/6.0

LANGUAGES: C, SQL, PL/SQL, Pascal, FORTRAN, BASIC

O/S: Sun Solaris (7,8,9,10) HP-UX, MS DOS, Microsoft Windows 3.11/95/NT/2000/2003, VMS

## Oracle Clients / Experience

### Government Client

#### Database Lead

RCAS is a combination of applications and equipment that helps the US Army National Guard and Reserve personnel perform their day-to-day jobs, the main feature being an integrated database (IDB). This IDB reduces duplication and errors and makes it easier for soldiers, who perform a variety of duties, to have access to the same information at the same time. RCAS supports the National Guard and Reserve with mobilization, force authorization, safety and occupational health, and personnel functions. Many different databases such as Standard Installation/Division Personal System (SIDPERS) and Regional Level Application Software (RLAS) are incorporated into the IDB through external interfaces. Developing an external interface between Defense Integrated Military Human Resources System (DIMHRS) and RCAS to replace the current interfaces with SIDPERS and RLAS, which have been identified as legacy systems to be subsumed by DIMHRS.

Environment: Dell PowerEdge 2650, Windows 2003, Windows XP, Oracle 10gR2, SQL \*Loader, PL/SQL

### IT Consulting Company

#### Sr. Oracle DBA

Installed and configured Oracle Enterprise Manager Grid Control on a Sun Solaris management server to manage various elements of the enterprise to include hosts, databases, listeners, etc. Configured Oracle Data Guard between Oracle databases and tested failover and switchover between the configured databases.

Environment: Sun Fire V890/V440, Solaris 10, Windows XP, Oracle 10gR2, OEM Grid Control 10gR2, Remedy ARS 6.3

### Government Client

#### Database Lead

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Upgraded ARGOS database from Oracle 8i on a HP-UX platform to Oracle 10g on an AIX platform. The ARGOS application is used by OIG to track audits, investigations, admin records, time management of OIG personnel, generating reports such as SAARC reports to Congress, etc. Installed Oracle 10g on AIX servers, created databases, imported data and configured advanced replication between the two databases. This system has advanced replication set up for a number of objects between two master databases located at Washington, DC and Kansas City for the purpose of high availability. Configured OEM Database Control for ease of database administration. Also, wrote backup and export scripts to back up the databases. Trained the developers on the new databases and provided documentation on the system as deployed.

Environment: IBM p-series, AIX 5.3, Windows XP, Oracle 8.1.7/10gR2, Oracle Advanced Replication, OEM Database Control

### Government Client

#### IT Infrastructure Specialist

At this leading Consulting Company I excelled as a Senior IT infrastructure specialist while working on several government and private projects in various capacities.

### Government Client

#### Systems Administrator/Oracle DBA

This complex system is made up of three sub-systems. eMilpo keeps track of all personnel records for active guard and rescue soldiers who are mobilized and/or deployed. A data warehouse, called Datastore, is populated by Oracle CDC and maintained for reporting purposes, the front end for which is provided by Cognos. A training system is also deployed and maintained for training the army personnel. All the above sub-systems share a huge NetApp FAS940 filer for their external storage.

- Solaris systems administrator in a primary role and Oracle database administrator in a secondary role.
- Responsible for the overall operations, patch updates, maintenance of hardware and software, security compliance of Solaris servers.
- In a secondary role, performed Windows administration and Remedy system upgrade and maintenance.
- Backups are carried out using Veritas NetBackup. Veritas Volume Manager is used to manage storage.
- Solaris auditing and aide are used for auditing purposes.
- Used government provided tools such as SRR to make the systems compliant with government regulations.
- Backup Oracle database administrator for an Oracle 9i RAC based system in a Sun Cluster environment.
- Installed Oracle 9i and upgraded Oracle 8i databases to Oracle 9i.
- Installed and configured Oracle 10g on Solaris 10.

Environment: Sun Fire V880/3800/4800, NetApp FAS 940, Solaris 8/9/10, Oracle 8.1.7/9.2/10.2, Veritas NetBackup 4.5, Volume Manager 3.5, Sun Cluster 3.0, Windows XP, Remedy ARS 6.3, SQL Server 2000

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### Government Client

#### Lead DBA

Responsible for the deployment of the Oracle solution for the CCSP program (Command Communications and Survivability Program) for the Department Of Defense. CCSP is an ambitious project initiated by the DoD to ensure survivability of the IT infrastructure in the event of a disaster. This system ensures high availability, flexibility, survivability and failover capabilities at all times, with real time replication configured between the primary and alternate sites. The single point of entry for this Enterprise Management System is through enPortal. Netcool Reporter/Reporter Gateway, InfoVista, Visionael are some of the other applications supported by Oracle. SharePlex for Oracle is used to configure peer-to-peer replication for the schemas. Oracle's TAF (Transparent Application Failover) is used for failover. RMAN is used for physical database backups and shell scripts are used for logical backups.

- Lead the Oracle solution team
- Liaison between the customer and my team
- Worked with other team leads to design, develop and implement an Oracle solution that resulted in a mission critical system with real time replication using SharePlex and total failover capabilities
- Worked with the systems team to re-design the disk layout, etc.
- Designed, developed and implemented an Oracle backup solution using RMAN
- Wrote specifications and aided in the development of various packages and triggers to implement business rules and facilitate data replication using SharePlex
- Directed the replication methodology for each schema
- Provided an Oracle design and maintenance document upon project completion

Environment: Sun Fire V890, RAID array A6220, Solaris 9, Oracle 9.2, SharePlex for Oracle 5.0, Windows XP, enPortal 4.4

### Consulting Company

#### Sr. DBA

- Installed Oracle 8i/9i database server on Solaris 8/9 platforms
- Setup standby database using Data Guard
- Installed Oracle 8i database server and migrated Oracle7 and Oracle8 databases to Oracle8i
- Installed and configured JServer on an Oracle8i database
- Tested the backup and recovery strategies using Recovery Manager for a PRODUCTION database using a TEST database
- Used LogMiner to analyze online and archived redo logs in a recovery situation
- Tuned DSS applications to take advantage of Oracle's Parallel query feature, which greatly improved the performance of the applications, specifically reports
- Set up outlines in the database to ensure that a consistent execution plan is generated by the optimizer whenever the same query is recompiled
- Installed and configured Action Request System (Remedy) on a Sun Solaris machine to run against an Oracle8i database

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- Daily responsibilities include monitoring databases, backup and recovery and providing support for REMEDY Help desk and ARGIS Inventory application
- Used BMC Patrol Web DBA for monitoring and performance tuning of the Oracle databases
- Used Oracle Enterprise Manager to administer, monitor and tune Oracle databases

Familiar with System Administration tasks of Sun Solaris including installation, disk partitioning, creating file systems and mount points and creating users, groups, etc.

- Installed and configured Sun Solaris7/8 on a Sun Sparc machine
- Installed additional memory on Sun machines
- Formatted and partitioned disk drives into standard Solaris file systems
- Used Solstice Disk Suite 4.0 to create meta disks for efficient volume management
- Configured a Solaris server as an NFS server and various other clients as NFS clients using the automount feature of Solaris
- Configured syslogd to send messages
- Installed and configured iPlanet Web Server 4.0/6.0 on Sun Solaris 7
- Configured EtherPage (paging software) on Sun Solaris 7
- Installed a SCSI card on a SUN E-450 server to be used for a tape library. Installed and configured a tape library (Model L20) to work with the above server.
- Configured Solstice Backup 5.1/6.0 to automate backups and also assisted in configuring an L20 tape library to work with Solstice Backup.
- Responsible for maintaining a Sun StorEdge A3500FC RAID array using RAID Manager 6.22
- Configured and maintained desktops and laptops with several versions of Windows (NT 4.0, 98, 2000, XP)
- Also assisted with the management of active directory on Windows 2003 servers and PDC/BDC Windows NT servers

Environment: Sun Fire V880/V440, E3500/450/250, Solaris 8/9, Oracle 8.1.7, Windows XP/2000/2003/NT

### Government Client

#### Jr. DBA

- Used Oracle8's new partitioning feature to split large tables into various partitions to store the historical data in separate partitions
- Analyzed an Oracle7 database and made recommendations to take advantage of Oracle 8i's new features including table/index partitioning, index-organized tables, Oracle objects, nested tables/VARRAYS and analyzed the implications of converting LONG columns to LOBs
- Upgraded a SQL Server database from version 6.5 to version 7.0. The tasks involved include installation and configuration of Arc Serve, Oracle Transparent Gateway and testing scripts, which transfer data from Oracle to SQL Server
- As a database administrator, involved in the installation of Oracle, creation of databases, management of tablespaces, logs, grants, roles, users, indices, rollback segments and performance tuning of the applications. Duties also include security administration, i.e.,

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creating new users and granting privileges, roles, etc. as required, monitoring space usage and resolving locks

- Involved in the migration of a production database from a DEC platform to HP. Created scripts for the creation of database, data dictionary and application tablespaces. Also responsible for setting up cron jobs on the new server for daily backups, etc
- Involved in writing scripts required for cloning a database
- Responsible for monitoring various development, test and production databases with the help of a home grown script which gives useful information regarding the space usage of tablespaces, next extent allocation, rollback segment contention, shared pool information, etc
- Involved in the migration of an Oracle 7.3.4 database to Oracle 8.0.5. Specific duties include writing scripts for database creation, modifying the initialization file and creation of tablespaces and rollback segments
- Worked with the database administration tools, DB Artisan and SQLab Expert to monitor the database and for performance tuning of the database
- Involved in writing scripts for the EXPORT and IMPORT of Oracle data and writing shell scripts to schedule the scripts to be run as cron jobs
- Worked on system security for a SQL \*Forms 3.0 and an Oracle Forms 4.5 application. Responsible for creating test users and roles to test the security of the application
- In the role an application DBA, work with application developers, as needed, in developing scripts for the creation of database objects such as tables, indexes and synonyms and migrate the same to production after system testing
- Designed and created a new reporting database, which is a subset of the main production database. The intent is to improve the performance of the core database by making a separate database for reporting thereby separating an OLTP application from a DSS application
- Customized the Oracle utilities, UTLBSTAT and UTLESTAT to capture database statistics
- Involved in developing and maintaining scripts used to load data from an Oracle database to SQL Server database, which is used for the development of GTSI's web portal. Also worked on ARC Serve software to schedule jobs for SQL Server database and transaction log backups. Responsible for switching the backup tapes every month
- Installed and configured Designer/2000 server repository on a PC. Created repository users and worked with the various components of Designer/2000 such as Process Modeler, Entity Relationship Diagrammer, Database Wizard and Reports Generator

Environment: HP 9000, HP-UX, Oracle7, Oracle Forms 4.5, Oracle Reports 2.5

## Consulting Company

### Programmer/Analyst

Primarily responsible for the Quotes/Order Entry and Inventory Control modules of the system. Duties included analysis, design and development of new screens and reports as required or customization of the existing screens and reports. Involved in writing packages and stored procedures as required.

Environment: HP 9000, HP-UX, Oracle7, Oracle Forms 4.5, Oracle Reports 2.5

Quote to Order – This functionality has been added for the benefit of the sales and order management departments within GTSI. Built the required logic into the 'quotes' screen to be able to convert a quote directly into an order instead of re-entering the whole order

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Referral Business – GTSI does some of its business with the Government through third parties called primes. Developed logic to automate the process of paying a referral fee to the third parties

- Developed various screens and reports as add-ons and enhancements to the Just In Time system, being mainly responsible for Inventory Control and Shipping & Receiving and to a lesser extent responsible for Purchasing, Returns and EDI invoicing modules. Responsibilities include organizing meetings with the users to gather requirements and conducting demos after coding for the enhancement

Custom linked purchase orders – Developed the necessary logic into the receiving and manual allocation screens so that particular items are received into special bins to be allocated to particular orders

Addition of a new warehouse - GTSI had acquired a division of another Company, which required that the system be able to make shipments to customers and receive products from vendors from another location. Involved in the system wide enhancement to integrate the new warehouse business into the existing system

Reservation procedure – Developed a stored procedure to be run in a batch as well as interactively. The purpose of this procedure is to reserve the available products to the open orders and update the back order quantities if the product is not available

Quotes and Order Entry packages – Developed these packages as a part of cleanup of the quotes and order entry modules in an effort to improve the efficiency of the programs

Environment: HP 9000, HP-UX, Oracle7, Oracle Forms 3.0, Oracle Reports 1.1

## Software Manufacturer

### Programmer

Customer Information System

- As a member of a team, worked on the development of a Customer Information System to be used by the utility industry to keep track of the customers, premises and their accounts. Charge calculation and Bill Printing are the highlights of the system. The system also facilitates Budget billing and Bill History Simulation. My duties included client interaction and development of front-end screens for data entry, maintenance and query from the database. Oracle Forms 4.5 was used to develop the screens accessing data from an Oracle7 database residing on a HP machine.

Customization of the screens according to the needs of the clients is also a part of the job. Reports were developed using Oracle Reports 2.5

Environment: HP 9000, HP-UX, Oracle7, Oracle Forms 4.5, Oracle Reports 2.5

## Software Manufacturer

### Programmer

Demand Supply Repository System

- Part of a team involved in the development of Demand Supply Repository(DSR) System, which is a transition from DOS based Inventory Management System. Oracle7 was the RDBMS used. UNIX based SUN Solaris workstation was the server used and the front-end was implemented in SQL

\*Forms 3.0. Responsibilities include writing and enhancing PL/SQL scripts, designing and developing forms for user interface

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#### Automotive Quote System

- The purpose of this system is to issue quotes. This system was built for the benefit of the sales people. SQL \*Forms and Oracle were used to develop the system. Crystal Reports 4.0 was used to generate reports

Environment: HP 9000, HP-UX, Oracle7, Oracle Forms 3.0

### Oracle Education / Certifications

MS, Computer Science

BS, Engineering

Oracle Certified Professional – DBA (7, 8, 8i, 9i)

Sun Certified System Administrator for Solaris 8/9

Sun Certified Network Administrator for Solaris 8/9

Advanced SQL \*Plus, PL/SQL Programming, Oracle \*Forms 5.0,

Oracle Corporation

Oracle7 Database Administration, Oracle7 Database Backup and Recovery, Oracle8 Performance Tuning, Oracle Corporation

Oracle 8i – New Features For Administrators, Oracle Corporation

Oracle 9i Data Guard, Oracle Corporation

Oracle 9i Recovery Manager, Oracle Corporation

Oracle 10g Real Application Clusters (RAC), EDS

Solaris 8 System Administration I

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