

Oracle Experience

Oracle Database (>20 years)
Database Administration (>16 years)
Database Architecture (>16 years)
Database Development (>16 years)
Production Operations (>9 years)
Disaster Recovery (>9 years)
Performance/SQL Tuning (>17 years)
Government DB Support (>14 years)

Roles (last 5 years)

Database Team Lead (19 DBAs)
Engineering Lead
Subject Matter Expert

Experience (last 5 years)

Oracle Database 10g, 11g, 11gR2, 12c
Oracle Grid Infrastructure 11gR2, 12c
Real Application Clusters 10gR2, 11g
Oracle Enterprise Manager 11g, 12c
GoldenGate Replication 11gR2
RedHat Linux
Backup/Recovery
Database Upgrades
Database Patching
Data Guard
Bash Shell Scripting
Python Scripting
Puppet Module Development

Other Projects (last 5 years)

Automation Project with Puppet
OpenStack - Grizzly
Python API for OpenStack
Tornado Web Framework

Education & Certifications

BS Decision Sciences, MIS
George Mason University

Unix/C Certification
George Washington University
CompTIA Security+ Certification

DataLogic Information Technologies, LLC

DataLogic IT, LLC provides Oracle Database consulting services for Government and Commercial clients. The company was founded by Steve and Sophia Renalds in March 2006.

Companies Supported: Accenture, Qinetiq NA, Unisys, Intergraph, Preferred Systems Solutions
Federal Government Agencies Supported: Unnamed Intelligence Agency, Unnamed Law Enforcement Agency, Defense Logistics Agency, US Customs & Border Protection

Summary

Steve is an Oracle Database Administrator and IT consultant with over 20 years of experience supporting IT projects for Federal Agencies and corporations. During the last 6 years, Steve has been providing engineering & team leadership to an Accenture data center project for an unnamed federal intelligence agency. Steve contributed database architectural design aspects to the winning proposal for a federal law enforcement project for new infrastructure & data migration support. Outside of his experience specific to Oracle, Steve has supported research and development projects focused on Data Center automations and delivering database services to the cloud.

Client/Work History

- 07/08 - Present Team Lead & Lead Database Engineer – Federal Agency w/ Accenture**
Led Team of 19 Database Administrators. Lead Database Engineer for ITC project.
Environment: Oracle 11gR2 Grid Infrastructure, RedHat, NetApp
- 05/12 – 12/12 Consultant, Subject Matter Expert – Qinetiq NA**
Consultant, Database Architect for Oracle 11gR2 Upgrades and Data Migration
Environment: Oracle 11gR2 (11.2.0.3), RHEL 6, EMC
- 04/07 – 06/08 Chief Database Architect – Unisys Corporation**
Consultant, Database Architect for SBINet and “Bunker” projects.
Environment: Oracle 11g (11.1.0.6), Oracle 10gR2, Windows Server 2003 (32-bit and 64-bit), Microsoft .Net
- 09/06 – 12/07 Subject Matter Expert – Defense Logistics Agency**
Database Subject Matter Expert (SME) Architect for the IDE project.
Environment: Oracle 10gR2, HP-UX 11.11
- 03/06 – 02/07 Database Architect – Intergraph**
Consultant, Database Architect with Intergraph Security Product Development team.
Environment: Oracle 10gR2, Windows Server 2003 (32-bit and 64-bit)
- 06/04 – 03/06 Senior Database Administrator/Architect – PSS**
Database Architect and Administrator for the DLA IDE Asset Visibility project.
Environment: Oracle 10gR1 RAC, Oracle 9i (9.2.0.5), HP-UX 11.11, STK
- 02/03 – 06/04 Senior Database Administrator – Chelsea Interactive**
Lead Production Support Database Administrator for e-commerce websites.
Environment: Oracle 9i RAC, Compaq Tru64 5.1. Network Appliance
- 10/02 – 01/03 Database Administrator / Consultant – Battelle**
Database Consultant supporting Voter News Service project.
Environment: Oracle 8i, Sun Solaris 8, EMC Clarion
- 12/01 – 10/02 Database Architect – Cable & Wireless**
Database Architect for Global Internet Group, developing and supporting multiple applications to service web customers.
Environment: Oracle 8i, Sun Solaris 8, EMC
- 01/01 – 11/01 Database Administrator – Keybridge Corporation**
Database Administrator developing and supporting client database services.
Environment: Oracle 8i, Sun Solaris 8, Network Appliance
- 01/99 – 01/01 IT Consultant, Database Architect – Noblestar Systems Corporation**
Database Architect and Database Administrator Consultant.
Environment: Oracle 8i, Sun Solaris 7, J2EE, SQL Server 7, Microsoft NT4, HP-Unix
- 08/95 – 12/98 Software Application Developer – Mitre Corporation**
Software and Database Applications Developer of Oracle Financials.
Environment: Oracle 7.3, Sequent Dynix, Oracle Financials
- 05/93 – 08/95 Systems Developer/Administrator – Veda Incorporated**
Junior level Oracle/Unix/C developer, administrator and technical support
Environment: Oracle 6.2, SCO Unix, C

Experience

03/06 -
Present

DataLogic Information Technologies, LLC

Haymarket, VA

IT Manager, Senior Database Administrator and Database Architect

Federal Agency with Accenture

Northern VA/DC Area

Environment: Oracle 11gR2 (11.2.0.4) Grid Infrastructure, Oracle Database 11gR2, Oracle Enterprise Manager 12c, RHEL 6, NetApp

- Database Team Lead, managing a team of 19 Database Administrators supporting the Oracle & SQLServer Database Common Service.
- Responsible for building a database team to providing 24/7/365 Oracle Database Administration services for a large data center managed by Accenture.
- Design/Document/Deploy a database common service platform serving Application Service Providers (ASP) as an Infrastructure Service Provider (ISP) service.
- Supporting more than 400 databases, including multi-terabyte VLDBs
- Member of Engineering Review Board as functional lead of Database Common Service Platform.
- Member of the Infrastructure Services Working Group to review Technology Roadmap & Architecture changes.
- Consulting ASPs during transition meetings on deployment and migration to platform.
- Research & Development: Oracle Direct NFS Client, NetApp Snap Manager for Oracle, Automation Project with Puppet, Cloud Service Layer project with OpenStack Automation using Python API

Deliverables: Database Common Service Platform Design Document, ASP/ISP Database Roles/Responsibilities, Oracle Database Service Design Package

Awards: Agency Outstanding Service Award (Fall 2009), Project "Top Cat" award (Fall 2014), Project "Mane" award (Winter 2014)

Qinetiq NA

Washington, DC

Environment: Oracle Grid Infrastructure 11gR2 (11.2.0.3), Oracle Database (11.2.0.3), Oracle Enterprise Manager, RHEL 5

- Subject Matter Expert on Oracle Grid Infrastructure, Oracle Enterprise Manager and Oracle Database
- Performed Oracle Data Migrations, migrating 10g & 9i databases on Solaris to 11gR2 on new infrastructure
- Resolved issue concerning disparate packet size limits in transport layer, thereby stopping intermittent failures with database queries from one data center to the other.

Deliverables: Technical documentation provided for Request for Information and winning proposal and contributed to migration of databases from legacy to new infrastructure.

Unisys

Reston, VA

Environment: Oracle 11g (11.1.0.6), Oracle 10g (10.2.0.3), Windows Server 2003 (32-bit and 64-bit), Microsoft .Net

- Consultant, Database Architect and Administrator supporting Department of Homeland Security's Secure Border Initiative (SBI) project and project "Bunker". Responsibilities range from design, development, implementation and support of the SBINet (Virtual Fence) system in Tucson, AZ to database installation, documentation and configuration for Project "Bunker".
- Design of High Availability, Disaster Recovery and Extreme Transaction Processing (XTP) environment.
- Data Modeling: Created Logical and Physical Data Model design.
- Development: Created PL/SQL stored procedures to handle XML documents and run Oracle Data Pump.
- Research & Development: XMLDB, Oracle Identity Management and Oracle Access Manager, Oracle Streams for High Availability, 64-bit Oracle Data Guard on Windows Server 2003, TimesTen In-Memory Database to support XTP using TimesTen Replication and Oracle Cache Connect.

Deliverables: High Availability Design using Intergraph Database Products, Backup/Recovery Database Design using Intergraph Products, Logical and Physical Data Models.

Intergraph

Reston, VA

Environment: Oracle 10g (10.2.0.3), Windows Server 2003 (32-bit and 64-bit), SQL Server 2005

- Consultant, Database Architect and Administrator with Intergraph Security Product Development team responsible for database support, design, build, and implementation of new I/Security Products (I/Sight, I/Alarm Plus, and I/Sensor).
- Provided technical expertise on all Oracle related matters concerning I/Security products including: Database Performance, Database and SQL Tuning, Database Design, Oracle Data Guard, Oracle Basic/Advanced Replication, Oracle Streams, Oracle Database/Grid Control, Oracle Application Server and Oracle Business Activity Monitor (BAM).
- Performed load stress testing on 64-bit Oracle Database Server on Windows 2003 64-bit Server.
- Developed Proof-of-Concept demonstration for Oracle BAM.
- Responsible for day-to-day Database Administration and development support tasks.

Deliverables: Oracle Replication Products Brief, I/Security Products Database Design, I/Security Products Database ERD, Remote Database Administration using Oracle Database Control documentation.

Defense Logistics Agency (DLA) with Accenture and PSS

Reston, VA

Environment: Oracle 10g (10.2.0.2), HP-UX 11.11

- Database Subject Matter Expert (SME) Architect and Administrator on the Infrastructure and Operations team for the Integrated Data Environment (IDE) project responsible for database and systems architectural design, build, and implementation.
- Provided technical expertise on all Oracle related matters concerning WebMethods, MetaMatrix, Rational Suite and other IDE database processes including: Database Performance, Database Tuning, Database and Systems Configuration, Oracle Data Guard, Oracle Advanced Replication, Oracle Streams.

Deliverables: IDE Continuation of Operations Design Document, IDE Database Design Document

Steven P. Renalds

06/04 –
03/06

Preferred Systems Solutions (PSS)

Fairfax, VA

Senior Database Architect and Database Administrator

Environment: Oracle 10g (10.1.0.3), Oracle 9i (9.2.0.5), HP-UX 11.11, STK

- Database Architect and Administrator on the Infrastructure and Operations team for the Asset Visibility project responsible for database and systems architectural design, build, and implementation. Provided Oracle database server support to DLA, DAASC and DISA database administrators, Business Intelligence development team, Execution Architecture team, Development Architecture team, ETL team, and the Data Modeling team staffed by PSS, Northrup Grumman and Accenture.
- Build and support Oracle database application environments at five sites to enable Asset Visibility production, test, development and standby production databases instances supporting Staging/ETL functionality (Extraction, Transformation and Loading), Application Repositories, Asset Visibility Reporting, and physical standby databases for all production instances using Oracle Data Guard.
- Database Installs, upgrades and patches for Oracle 9.2 and 10.1.

Deliverables: Asset Visibility (AV) Database Specification, AV Database Management Procedures, Oracle 9i RAC Database Installation Guide, Oracle 10g RAC Database Installation Guide, AV Continuation of Operations Design Document, AV Administration Guide, AV Services Design Document.

02/03 –
06/04

Chelsea Interactive

Reston, VA

Senior Database Administrator

Environment: Oracle 9i RAC, Compaq Tru 64 5.1. Network Appliance

- Responsible for database availability and integrity of e-commerce websites for clothing and cosmetic brands such as Ralph Lauren's Polo.com, Timberland.com, Cole Haan, Maidenform, Ulta, Via Spiga, and Elizabeth.
- Coordinating all Database Operational activities for 17 database instances, including the 24/7 database operations of five production e-commerce and Data Warehouse application environments. Largest databases were 30 GB.
- Monitoring database application activities, connectivity and performance with 24/7 on-call responsibilities.
- Developing PL/SQL Extraction, Transformation and Loading (ETL) backend scripts for the Data Warehouse environment.
- Developing Unix shell scripts (Korn and Perl) to extract data from ETL database environment as reports and importable delimited data sets.
- Performance tuning PL/SQL stored procedures and SQL scripts shaving hours from backend ETL, sales order and inventory script execution times and improving production performance.
- Installation and configuration of Oracle 9i Real Application Clusters (RAC).
- Successful software upgrades and data migrations from Oracle 9.0.1.4 to Oracle 9.2.0.3 and 9.2.0.4.
- Managing Oracle TARs dealing with memory leaks in Oracle 9.0.1.4.
- Less than 1 hour of unscheduled database downtime during tenure as Senior Database Administrator of Chelsea Interactive.

10/02 –
01/03

Battelle

Arlington, VA

Database Administrator - Consultant

Environment: Oracle 8i, Sun Solaris 8, EMC Clarion

- Consultant and Database Administration expert brought on to support Voter News Service operations and applications development.
- Performance tuning and assessment of system, database and application.
- Consulting Application Developers on SQL query optimization.
- Development of PL/SQL stored procedures, triggers and other scripts.
- Creation of database objects and setup of user accounts and privileges.
- Working under intense pressure 80-100 hours a week, 7 days a week.
- Promoted to Lead Database Architect and tasked to analyze "lessons learned" from November election and develop strategy for implementing new system enhancements.
- Prepared presentation of analysis to CNN, FOXNews, AP, CBS, ABC and NBC.

12/01 –
10/02

Cable & Wireless

Vienna, VA

Database Architect

Environment: Oracle 8i, Sun Solaris 8, EMC

- Database Architect responsible for reviewing and managing database implementation for Global Internet Group. System Architecture includes multiple applications to service web customers on very large database engine that must support multiple languages (including double-byte character sets). Primary technologies being used are Oracle, Sun, IBM WebSphere, IBM Interwoven, EMC and Veritas.
- Technical Lead on design and development of Document Repository System that will support Cable & Wireless internal and external document management and distribution. Minimum requirements for Database design was 2 Terabytes of data.
- Establish project plans and manage vendors.
- Hardware and Software architectural design and documentation.
- Requirements gathering, analysis and documentation.
- Database design and documentation.

01/01 –
11/01

KeyBridge Corporation

Reston, VA

Oracle Database Administrator

Environment: Oracle 8i, Sun Solaris 8, Network Appliance

- Database Administrator responsible for Analysis, Design, Development and Documentation of client services for Oracle, MS SQL Server and MySQL Database Systems. Client services include 24/7 monitoring, backup/recovery, installation/configuration and reporting.
- Develop database monitoring services on Linux platform using Perl and integrating this system with Micromuse Netcool.
- Install, configure and maintain Database Backup and Recovery services developed in Perl.
- Tested and assessed vendor products and determine technical, functional and financial feasibility as to integration with client database services. Products reviewed: Veritas NetBackup, Quest I/Watch, Dirig RelyEnt, Micromuse NetCool.
- Tested and assessed Rational Rose and Developers' Suite to be used internally for requirements gathering, version control and modeling.
- Peoplesoft Administration and Troubleshooting.
- Install, configure and rack Sun Solaris 8 and Linux machines to be implemented as database servers, web hosts and routers.

01/99 –
01/01

Noblestar Systems Corporation

Reston, VA

IT Consultant: E-Commerce Database Architect/Oracle DBA

ecademie

Reston, VA

Environment: Oracle 8i, Sun Solaris 7, Java

- DBA, Systems Architect and Data Modeler: as part of a 24-person team with the purpose of developing an e-learning application for the Internet. Solely responsible for designing, developing, implementing and documenting the database and system architecture. Designed and documented Oracle High Availability Architectural standard for ecademie system.
- Sun Solaris 7 Administration and Network Administration supporting more than 20 users locally and 3,000 concurrent test users. Performance monitoring and system wide optimization of all system components.
- Oracle 8i Database Administration in support of two development environments and three test environments.
- Analysis of requirements to generate an object model in Rational Rose and to create a relational data model using Erwin.
- Requirements analysis, design, documentation and source control facilitated by Rational products.

Deliverable: Data Dictionary and System Architectural Documentation.

ecom hiways

Reston, VA

Environment: SQL Server 7, Microsoft NT 4.0, Java

- DBA, Systems Architect and Data Modeler: as part of a 5-person e-commerce development team developing an online catalog engine. Responsible for requirements analysis, database design, data model, documentation, and backend system implementation.
- Microsoft SQL Server7 Database Administration on Windows NT4 Servers.
- Development backend support including DML and DDL activities.
- Administration of WebLogic Server.Data Modeling in Erwin 3.5.2.

Deloitte Consulting

Brussels, Belgium

Environment: SQL Server 7, Microsoft NT 4.0, Peoplesoft, BEA Tuxedo

- DBA: as a sole contracted Consultant for a new client of Noblestar. Responsible for managing new client relationship in a business critical and high visibility project while learning new technology on the job.
- Microsoft SQL Server 7 Database Administration on Windows NT4 Servers.
- PeopleSoft 7.5 Application Administration in a three-tier environment using BEA Tuxedo Application Server.
- Implementation of Backup and Recovery procedures for Development and Production environments.
- Create new databases and maintain existing databases (The number of Database to be maintained was around 10 at any given time).
- Create and Monitor Database daily and weekly jobs.
- Performance monitoring and system wide optimization.
- Train employees of Deloitte Consulting on Database Administration, ODBC & Peoplesoft Setup and Tuxedo Administration.

Netherlands Government: Ministry of Water and Traffic

The Hague, Netherlands

Environment: Oracle 8.0.4, HP Unix, HP OpenView

- DBA: as a sole contracted Consultant. Responsible for testing, updating and importing data to Oracle 8.0.4 Database and HP OpenView Application.

National Fruit Product Company

Winchester, VA

Environment: Oracle 7.3, HP Unix, Oracle Financials

- Oracle Financials DBA: as a sole contracted DBA Consultant. Responsible for totally restoring a substantially corrupted Oracle Financials Database and Application system.
- Database Administration for Oracle 7.3.3 & 7.3.4 on HP Unix 10.20
- Installation of Oracle 7.3.3 & 7.3.4 RDBMS.
- Create Oracle Financials 10.7 Compliant Databases.
- Installation of Oracle Applications 10.7 Smart Client on HP Unix.
- Apply patches to Database and Database applications.
- Stabilized Oracle Applications environment and eliminated all TAR issues.
- System wide performance monitoring and optimization.

Steven P. Renalds

Net2000

Herndon, VA

Environment: Oracle 8.0.4 with Parallel Server, Windows NT Cluster

- DBA: as a sole contracted Consultant. Responsible for the implementation of Oracle Parallel Server for Windows NT. Net2000 was the first company to implement Oracle Parallel Server for Windows NT in a clustered environment.
- Oracle Database Administration for NT Oracle Parallel Server (OPS) with Clustered Architecture Environment.
- Implementation of Backup and Recovery Strategies for Oracle Parallel Server.
- System wide performance monitoring and optimization for Oracle Parallel Server.
- Installation of Telecommunications Business Systems Database Application.
- Database Tuning for Telecommunications Business Systems Application.
- Create Triggers and PL/SQL scripts for Telecommunications Business Systems Application.

Royal Ahold

Greenville, SC

Environment: Oracle 8.0.4, Sun Solaris 7

- DBA: as a sole contracted Consultant. Responsible for Database Administration for Oracle 8.0.4.
- Setup roles and security for Personnel database.
- Troubleshooting and Testing database privileges and other security issues.

08/95 –
12/98

Mitre Corporation

McLean, VA

Software Applications Developer

Environment: Oracle 7.3, Sequent Dynix, Oracle Financials

- Served the MITRE Financial staff as a Developer of Software and Database Applications through knowledge of design, development, testing, implementation and maintenance of the Oracle Financials Database Application Suite and custom modifications.
- Completed major upgrade of the Oracle Financials Application Suite from version 10.5 to 10.7.
- Provided support for Requirements, Impact Analysis, Design, Coding, Testing, Implementation and Maintenance phases.
- Designed, Developed and Documented Cost-Plus-Fixed-Fee Billing extensions for Oracle Projects (coded in PL/SQL).
- Modified, upgraded and maintained Billing programs (coded in Pro C).
- Coded reports and programs to support Oracle Projects, Billing and Recosting functions in SQL, SQR, Oracle Reports 2.5 and PL/SQL.
- Installed Oracle Smart Client and patches for the NT Server.
- Managed and supported the installation of 120 Smart Client users.
- Trained a support staff of around 40 individuals in Oracle Smart Client installation and trouble shooting.

05/93 –
08/95

Veda Incorporated

Alexandria, VA

Systems Developer/Administrator

Environment: Oracle 6.2, SCO Unix, C

- Served as a Developer of Database Solutions for government and private contracts, a System Administrator of Unix and the Oracle Database, and in a Technical Support capacity.
- Designed and developed Warehouse Inventory Control System in Oracle, SCO UNIX and C.
- Designed hardware configuration, performed critical design walk-throughs, coding RF unit interface and proxy in C and wrote Oracle scripts in PL/SQL.
- SCO UNIX System Administrator and Oracle Database Administrator for Warehouse Inventory Control System.
- Designed and developed relational database management systems in MS Access and MS Fox Pro to track the status of aircraft installations for the Navy, equipment that is used on aircraft carriers and targeting information. These efforts led to the award of a \$100,000 contract.
- Developed parsing routines that convert legacy data written in General Markup Language (GML) into Standardized General Markup Language (SGML). Managed the conversion of 50,000 pages of legacy text.

Training & Certifications

07/95 –
04/98

Oracle Financial Applications

Government General Ledger, Government Receivables, Government Payables, Government Purchasing, Oracle Projects, System Administration, Application Object Library, Flexfields / Flexbuilder, and Oracle Technical Foundations.

03/95

UNIX / C Certificate Program - George Washington University

Shell Programming, UNIX Administration, Networking with TCP/IP and intermediate and Advanced C Programming.

Education

1994

George Mason University

Fairfax, VA

Bachelor of Science, Decision Science and Management Information Systems