

Jeffrey L. Coltrain

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*Senior Oracle Database Administrator, Architect, and Developer
Oracle Certified Professional Database Administrator
Over 20 Years of Oracle Experience*

- Oracle
- Linux
- Oracle Licensing
- Performance Tuning
- Quest Spotlight on Oracle
- SQL
- UNIX
- Database Administration
- Data Warehousing
- ERwin Data Modeler
- PL/SQL
- Windows
- Database Development
- Data Modeling
- Toad

P r o f e s s i o n a l E x p e r i e n c e

Alydan Consulting, Inc.

1991 to present

President and principal consultant of an independent Oracle consulting practice, specializing in database administration, data modeling, database development, and Oracle licensing. Developed partner and reseller relationships with Oracle, CA, and Quest Software. Currently working with Oracle8, 8i, 9i, and 10g on Linux, UNIX, and Windows. Much of our work is part time, covering short term needs, mentoring and filling gaps in skill sets, and providing long term senior DBA support to companies that can't justify hiring a full time DBA due to company or Oracle installation size. Recent projects for our long term clients have included:

ICON Clinical Research. Oracle database security for Oracle9i and 10g on Solaris, Linux, and Windows. Tasks included: implementing password policies limiting the number of failed login attempts, requiring strong passwords, and enforcing a password change policy; reducing the number of DBA accounts and accounts with high risk privileges; establishing individual DBA accounts; monitoring the alert and listener log; securing the listener; auditing user connections with email notification on failed attempts; monitoring long running connections; and centralizing and limiting access to the tnsnames.ora file.

ICON Clinical Research. Custom ETL process in PL/SQL using Oracle10g heterogeneous services to retrieve clinical data from Medidata Solutions SQL Server databases. The ETL process retrieves only valid data necessary for reporting, transforms the data into a structure consistent with existing standards, compares each new data load with the preceding load to detect discrepancies, and sends email notification on the results of each load.

West Pharmaceutical Services. Oracle10g install on Windows to support the Werum MES (Manufacturing Execution System) application. Customized the Werum installation to meet best practice data file location and naming conventions, and to eliminate extent and data file size limits. Added procedures for hot backups, exports, alert and listener log monitoring with email notification, and management of logs, archives, and trace files. Secured the listener and checked security on vendor created Oracle accounts.

Lenox. Modeling environment upgrade. The initial environment was version 4.1.2 of ModelMart, ERwin Data Modeler, and BPWin, with the repository in an Oracle8i Windows database. The upgraded environment was version 7.3 of ERwin Model Manager, ERwin Data Modeler, and ERwin Process Modeler, with the repository in an Oracle10g Linux database.

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Lenox. Multi-master Advanced Replication. Assisted with an in-place upgrade (no downtime) from Oracle9i to 10g for an ecommerce master site database in a Solaris environment. After disk failure during a data center move resulted in the loss of a master site database, assisted with rebuilding the master site using a cold backup, export, and Advanced Replication commands.

IOA Re. Oracle8 to 9i upgrade on Windows supporting custom reinsurance applications. To be more proactive and make the database more self-managing, the upgrade included: reorganizing database objects by application and object type into a consistent, logical, more manageable structure; correcting column naming issues; removing outdated application structures and user accounts; moving space management to the OS level by eliminating extent limits and setting all tablespaces to autoextend; adding alert and listener log monitoring with email notification; monitoring connections through auditing; replacing cold backups with hot; and adding procedures to manage database and application logs, archives, and trace files.

ViroPharma. Database audit. Conducted a “production ready” audit of an Oracle10g Windows ARISg clinical adverse event database. Recommendations included recoverability (archive log mode, hot backups, multiplexed redo logs, and addressing Oracle’s crash on server restart issue), manageability (consolidating multiple empty data files per tablespace into a single tablespace data file set to autoextend, eliminating traces of previous installs, and setting up procedures to manage log files, trace files, and archives), and security (changing passwords for accounts with weak passwords, securing and monitoring the listener log, and auditing connections).

Other major projects of note have been:

Kulicke & Soffa Industries. Designed and implemented a data warehouse to provide ad hoc query, reporting, and analysis for users of a Baan ERP system running in Oracle7 on AIX. The data warehouse, an Oracle database on Windows, was available 24 x 7 to users in the United States, Singapore, and Israel. The effort was the basis for a paper, “The Key to Baan: Oracle Discoverer and the Data Warehouse,” presented at IOUG-A Live! 2000. Project software included Oracle Discoverer, Oracle Replication, and the Oracle Investigator for Baan, a package that assisted in building the Discoverer metadata for the Baan database.

Planalytics (formerly Strategic Weather Services). DBA and data architect using Oracle7 on Solaris for Weatherplanner.com, featured in Enterprise Development, “Lightning Fast Web Launch – How Strategic Weather Services Built a New Web Business in 100 Days,” April 2000.

Roy F. Weston, Inc. 1987 to 1991
Technical Manager. Technical lead for Oracle Financials General Ledger, Accounts Receivable, Accounts Payable, Purchasing, and Fixed Asset applications using Oracle6 on VAX/VMS. Also technical lead for environmental data management projects.

Systems & Computer Technology, Inc. 1984 to 1987
Technical Specialist. Member of the original Banner Student System development team, responsible for the student accounts receivable module using Oracle v5 on VAX/VMS. Received Distinguished Service Award in 1986.

Wyeth Laboratories, Inc. 1981 to 1984
Programmer Analyst. Designed, implemented, and maintained pharmaceutical marketing and sales applications.

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C e r t i f i c a t i o n s

Oracle10g Certified Professional Database Administrator (Oracle)	August 2007
Oracle9i Certified Professional Database Administrator (Oracle)	October 2005
Oracle8i Certified Professional Database Administrator (Oracle)	October 2002
Oracle8 Certified Database Administrator (Oracle)	September 2001
Oracle7.3 Certified Database Administrator (Oracle)	April 1998
Oracle7 Certified Database Administrator (Chauncey)	December 1996

E d u c a t i o n

West Chester University 1978 to 1981
B. A. Mathematics. Concentrations in Computer Science and Business Administration. Pi Mu Epsilon (Mathematics Honor Society). Magna cum Laude. GPA 3.56 / 4.00.

Wesley College 1976 to 1977
A. A. Education. Phi Theta Kappa (International Honor Society of the Two Year College). Magna cum Laude. GPA 3.96 / 4.00.

C o n t i n u i n g E d u c a t i o n

MySQL AB: DBA Boot Camp: MySQL for the Oracle DBA	August 2007
Oracle University for Partners: Oracle9i Sales Champion	January 2004
Oracle Business Practices and Pricing Training: Reselling Full Use Licenses	February 2003
Oracle University for Partners: Oracle9i Sales Champion	February 2003
Computer Associates: AllFusion Modeling Suite Partner Bootcamp	December 2002
Computer Associates: Certified Sales Specialist Program: AllFusion	September 2002
Oracle University: Oracle9i New Features for Administrators	July 2002
CA World 2002	April 2002
Oracle University for Partners: Oracle9iAS Implementation Workshop	November 2001
Computer Associates: AllFusion ERwin Data Modeler Partner Boot Camp	October 2001
CA World 2001	July 2001
IOUG-A Live 2001	May 2001
IOUG-A University: Backup and Recovery Principles and Procedures	April 2001
IOUG-A Live 2000	June 2000
IOUG-A University: Oracle8/8i for Developers: What You Need to Know	May 2000
Oracle University for Partners: Oracle Sales Champion	March 2000
Real World Training: Mastering QuickBooks Software Seminar	December 1999
Alliance Francaise, Intermediate French 206	Summer 2009
Alliance Francaise, Intermediate French 205	Spring 2009
Immaculata University, French Phonetics & Conversation	Fall 2006