

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
- Database Administration
- Performance Tuning
- Quest Spotlight on Oracle
- SQL
- Logical Data Modeling
- Relational Database Design
- ERwin Data Modeler
- PL/SQL
- Database Development
- Data Warehousing
- SQL*Navigator

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.
Glenmoore, PA

1991 to present

President and principle consultant of an independent Oracle consulting practice specializing in Oracle database administration, data modeling, database design, and custom software development. Managed up to 8 consultants working with multiple clients. Established partner and reseller relationships with Oracle, CA, and Quest Software. Major projects have included:

ICON Clinical Research: Long term engagement in three phases.

Triage - Inherited an under performing environment with no DBAs that was in frequent crisis mode and stabilized it. Recommended Solaris kernel parameter and disk configuration changes. Tuned database instance parameters. Moved database management to the system administrators wherever possible, by eliminating extent limits, setting all datafiles to autoextend, replacing confusing mix of backup methods with standard hot backup scripts, etc. Optimized SQL performance through code revision and creating / modifying indexes.

Proactive projects – Implemented Oracle Enterprise Manager to manage and monitor all databases. Implemented Quest Spotlight on Oracle for real time diagnostics for all production databases. Developed procedures to allow user creation of new studies for adverse event reporting. Rewrote and simplified procedures for periodic clinical dictionary updates. Rewrote procedures to manage flow of information from clinical transaction databases into an end user portal database to improve performance and manageability.

Mentoring – Mentored new DBAs. Created and presented a custom Introduction to SQL class for development, support, and DBAs. Turned over DBA responsibilities to in house staff.

Merck: Provided performance analysis and recommendations for the Customer Information Management System, an Oracle application identified as having severe performance problems. Recommendations included hot backup implementation, file layout reorganization to optimize I/O, application modifications to eliminate bottlenecks due to distributed transactions and database alerts, index optimization, SQL tuning, etc. in an Oracle / Solaris environment.

Lenox: Designed and implemented the data synchronization component of a high availability solution for the e-commerce environment using Oracle Advanced Replication in an Oracle / Solaris environment. The implementation provides bi-directional replication between the e-commerce database server, the reporting database server which also serves as the backup for the e-commerce database server, and the database server for the corporate systems.

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Kulicke & Soffa Industries: Designed and implemented a data warehouse to provide ad hoc query, reporting, and analysis capabilities for users of a Baan ERP system running in an Oracle / AIX environment. The warehouse, an Oracle database on a Windows sever, is 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 to the 2000 International Oracle User's Conference. Project software included Oracle Discoverer, Oracle Enterprise Manager, 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): Developed the data model and designed the Oracle database environment for Weatherplanner.com, a consumer oriented, long range weather forecasting service.

IOA Re: Managed the development of a data warehouse to support an insurance claims processing application. The data model was developed using ERwin and the data warehouse implemented in an Oracle / Windows environment.

Unisys Corporation: Provided Oracle database administration, performance tuning, training, design, and server development services on a project to develop an on-line product and services catalog. Designed and developed "scratch pad," a combination of views, triggers, and stored procedures that override Oracle's default query, insert, update, and delete processing. Assisted developers with database concepts, debugging, and performance tuning.

Lyondell Chemical Company (formerly ARCO Chemical Company): Provided development services for an MSDS delivery and chemical tracking application. This application included tracking of chemicals from purchase to disposal, compliance with state and federal (EPA and OSHA) regulations, and delivery of MSDSs. Project software included SQL*Forms, WordPerfect, Label Matrix (bar code design and printing), and Mars Electronics bar code scanner software.

Roy F. Weston, Inc.
West Chester, PA

1987 to 1991

Technical Manager: Provided technical leadership for the implementation of Oracle Financials General Ledger, Accounts Receivable, Accounts Payable, Purchasing, and Fixed Asset applications. Personally responsible for the implementation of Oracle Financials General Ledger and conversion of legacy information. Project software included SQL*Forms, SQL*Report, and Pro*COBOL. Also provided technical leadership for environmental data management projects using SQL*Forms, SQL*Report, and Pro*FORTRAN.

Systems & Computer Technology, Inc.
Malvern, PA

1984 to 1987

Technical Specialist: Designed and implemented the higher education student accounts receivable module of the Banner Student System using Oracle, SQL*Forms, and SQL*Report.

Wyeth Laboratories, Inc.
Malvern, PA

1981 to 1984

Programmer Analyst: Designed, implemented, and maintained pharmaceutical marketing and sales applications using COBOL, CULPRIT, and MANTIS in the TOTAL database environment.

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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

West Chester, PA

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

Dover, DE

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

Immaculata University, Advanced Intermediate Arabic I	Fall 2007
MySQL AB: DBA Boot Camp: MySQL for the Oracle DBA	August 2007
Immaculata University, Elementary Arabic II	Spring 2007
Immaculata University, French Phonetics & Conversation	Fall 2006
Immaculata University, Elementary Arabic I	Fall 2006
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: Oracle8i 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