

## DATA ARCHITECT

Performance driven, IT professional with proven experience in driving performance across operations with a focus on large-scale databases. Comprehensive experience in data architecture, data warehouse design, database design/administration, and technical management. Hands-on experience in managing and delivering business, critical information technology solutions.

### CORE COMPETENCIES

- Project Management
- Database Design / Administration
- Technical Writing
- Business Intelligence
- Research & Problem Resolution
- Consulting / Client Relations
- Data Warehousing
- Process Improvement
- Curriculum Development and Delivery

### Professional Overview

---

#### **Technical Trainer** › GOODDATA, SAN FRANCISCO, CA 2014-Present

- Developed courses in dimensional modeling, ETL, agile data warehouse service and enterprise implementation
- Developed certification exams and exercises (production tests)
- Delivered courses to employees, customers and partners in the classroom and via webinar
- Provided dimensional modeling expertise to internal groups, including customer support, consulting services and documentation

#### **Senior Data Architect** › SAFEWAY, PLEASANTON, CA 2011-2014

- Led technical projects from initiation through implementation including planning, analysis, design, and deployment.
- Developed conceptual, logical, and physical data models for various projects including several customer loyalty projects and data warehouse schemas (3NF and dimensional) for Sales Analysis and Employee Health Care Analytics. Provided ongoing support to DBAs and BI Developers.
- Developed BI/EDW database standards in collaboration with other work groups.
- Ensured projects were completed on time and to the satisfaction of stakeholders.
- Negotiated and authored Data Warehouse development standards.
- Boosted efficiency by designing and developing processes.
- Recognized by management for leading in performance among peers in many areas of projects.
- Developed data modeling standards, a usage guide for ERwin, and administered Safeway's ERwin licenses, including providing level 1 support to ERwin users.

#### **Lead Data Modeler** › BLUE SHIELD OF CALIFORNIA, SAN FRANCISCO, CA 2007-2011

- Lead efforts to create enterprise conceptual and logical data models for Provider and Member subject areas including incorporation of objects from legacy databases.
- Developed relational, dimensional and hybrid conceptual/logical/physical data models for a large health insurance data warehouse system including subject areas for Membership, Claims, Capitation, Plan/Product, Provider, Geography, Finance, and Reference.
- Recognized as a creative problem solver and go-to for solving technology issues and enhancing operational performance.
- Designed and taught a series of SQL seminars for data analysts and other staff.
- Created and maintained conceptual, logical, and physical data models for various projects including a Provider ODS with 17 source application systems.
- Source to target mapping (ETL specifications) for ODS and data warehouse projects.

#### **Principal Data Architect** › CERIDIAN, MINNEAPOLIS, MN 2003-2007

- Oversaw data architecture, data model repositories, common code value standards, and database design / data modeling standards.
- Provided project management, business analysis, and process improvements.
- Developed the first Enterprise Data Model that Ceridian ever had.
- Created logical structure after methodical research for Ceridian's 400 product offerings including multiple products for the same purpose.

- Developed enterprise data model to be used as a blueprint for all OLTP and OLAP models.
- Facilitated data architects' roundtable for issue resolution and ratification of standards.

**Lead DBA and Data Modeler** › FIRST FINANCIAL USA (1FB.NET), San Francisco, CA 2001-2003

- Administered databases for customer-facing web site.
- Created data models and database designs for OLTP and OLAP applications.
- Created a federated operational data model.

**Database Group Manager** › MBH SOLUTIONS, INC., OAKLAND, CA 2000-2001

- Managed DBA and QA teams in support of software product development.
- Obtained information on project limitations, capabilities, and performance requirements and then designed and implemented systems.
- Improved performance by modifying existing systems.
- Performed investigation of root cause analysis and corrective action.

**Notable Career Highlights****Current Instructor (Part-Time)** › UNIVERSITY OF CALIFORNIA (BERKELEY) EXTENSION, BERKELEY, CA

Serving over 20 years as Instructor. Developed several Database Management and Data Modeling courses. Delivered courses in multiple formats (classroom, online and remote learning). Received Honored Instructor Award. Conducted research in various fields, created reports, kept up to date with current trends, and attended professional conferences.

**Managing Principal Consultant** › ORACLE CORPORATION, REDWOOD SHORES, CA

Provided consulting services for large clients including database design, Oracle product support, and database administration and tuning. Managed and led internal application support team for client's large customer care application. Ensured first class service, performed quality assurance measures, and provided excellent customer service to client.

**Architect, DBA Manager, Project Manager, Designer, Programmer** › LEVI STRAUSS & CO., SAN FRANCISCO, CA

Managed DBA Group of 8-10 with responsibility for all database platforms including Oracle, Sybase, DB2, and IMS. Developed standards, procedures, and best practices for data management and application development disciplines. Made significant contributions in developing numerous business application projects.

**Education****Bachelor of Arts Degree in Computer Science**

Transylvania University, Lexington, KY

**Skills**

- Solid skills in data architecture, data modeling and database design (3NF and dimensional), database performance tuning, database administration, and technical writing
- Extensive experience with Oracle, SQL Server, MySQL, Teradata and DB2; exposure to Cassandra
- Technical Manager/ Lead for DBA groups, development/support teams and consulting teams
- Author of 4 books and co-author of 2 other books in the database field, all published by McGraw-Hill
- Developer and instructor for classes in database fundamentals, data modeling, SQL, and other topics for various employers, including UC Berkeley Extension
- Programming Languages: SQL, PL/SQL, Transact SQL, Shell scripting, BASIC, COBOL, PL/I
- Operating Systems: Windows, Solaris, HP UX, Linux, Mainframe
- Data Modeling Tools: ERwin, PowerDesigner, ER/Studio
- Certificate: Oracle 8i Database Associate

**Publications**

Andrew Oppel, Databases Demystified, McGraw-Hill, 1st Edition, 2004; 2nd Edition, 2010.  
Andrew Oppel, SQL Demystified, McGraw-Hill Osborne, 2005.

Andrew Opper, Databases: A Beginner's Guide, McGraw Hill, 2009.

Andrew Opper, Data Modeling: A Beginner's Guide, McGraw-Hill, 2010.

Andrew Opper and Robert Sheldon, SQL: A Beginner's Guide, 3rd Edition, McGraw-Hill, 2008.

James Groff, Paul Weinberg, and Andrew Opper, SQL: The Complete Reference, 3rd Edition, McGraw-Hill, 2009.