

DAVID A. CARUSO
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Portfolio: <http://www.efn.org/~caruso>

SKILLS

Skilled in systems analysis, database design and development, programming, project implementation, data migration, database optimization and performance fine-tuning, report generation, quality assurance, usability and interface design, technical writing, and other aspects of professional database computing.

PROFESSIONAL EXPERIENCE

Company **National Security & Trust** (February 2008 – ongoing)
Experience **Database Developer.** Analyze, design, develop, and program new database systems that expand upon features of legacy systems to include on-line functionality, robust data transmission and receiving, reporting, invoicing, and other functions.

Company **Amrita Technologies / Amrita Institute of Medical Science** (June 2007 – ongoing)
Experience **Volunteer Database Consultant.** Perform a variety of IT and database-related tasks as needed.

Company **Columbia University / Presbyterian Hospital** (March 2007 – ongoing)
Experience **Database Developer.** Developed a web-enabled patient registry and research platform and migrate existing data. The registry is designed to collect and report on clinical data regarding women with a history of breast cancer or at higher-than-normal risk in coordination with several hospitals and universities in the New York area.

Company **MySQL AB** (March 2006 – ongoing)
Experience **Database Migration Consultant.** Perform migration analysis for a variety of clients, and oversee and perform migration projects as needed.

Company **Vital Holdings** (Project from March 2006 – ongoing)
Experience **Software developer.** Designed, created, and implemented a bi-directional, dual-platform database synchronization application. The program tracks changes on separate MySQL and Foxpro databases and replicates changes to the other platform in near-real-time. For full technical details and documentation, see <http://www.efn.org/~caruso/vitalsync/documentation.htm>.

Company **Koch Industries** (Project from 2004 – 2006)
Experience **Database Developer.** Built multi-faceted environmental compliance database for petroleum refining and chemical corporation. The database automatically imports and integrates federal and state regulations and provides a system for comparing these with individual factory and refinery processes and monitoring compliance over the long-term. Also tracks and projects activities related to maintaining compliance. Designed as a centralized platform for multiple simultaneous sites and users.

Company **Eugene Free Community Network** (1999 – 2004)
Experience **Database Developer & Administrator.** Created and developed multiple-live-user membership organizational system that tracks member payments, purchases, subscriptions, information, automatic payment process, etc. Built specialized reports summarizing

information for managers. Built utilities for data-checking, and functions for ensuring accuracy. Created clear and user-friendly design. Also designed web site.

Company **Power Gear, Inc.** (1997 – 1999)

Experience **Database Developer & Administrator.** Wrote customized databases and tracking systems to suit specific manufacturing company needs. Wrote numerous report generators consolidating, filtering, and presenting financial and manufacturing data. Managed and manipulated company data. Performed wide range of software troubleshooting and training. Documented procedures and made recommendations in various capacities.

EDUCATION

- Certified MySQL DBA
- Three years of schooling at the University of Kansas studying computer science.
- On-site training in various environments and professional experience.



SOFTWARE AND PROGRAMMING EXPERIENCE

- Primary programming languages: PHP, Visual Basic, VBA, Foxpro, Cold Fusion.
- Database platforms: MySQL 5.1, MS SQL Server, Visual Foxpro 6-9, MS Access XP.
- Report-generation software: iReport, Crystal Reports, Foxpro, MS Access
- Graphic design suites: Adobe Photoshop and Corel Photo-Paint.
- Publishing suites: Quark, Page Maker, and Dream Weaver
- Operating systems: All Windows, Red Hat Linux, Mac OS, Unix, VAX VMS, IBM AS400

VOLUNTEER ACTIVITIES

- Database consultant for Amrita Technologies in Kochi, India.
- Webmaster for *Skipping Stones* award-winning multicultural children's magazine, since 1999.
- Served on Board of Directors for non-profits EFN.org and Oregon Public Networking.

OTHER ACCOMPLISHMENTS

- Performed database translation and migration from Made2Manage to Oracle of medium-sized manufacturing facility for Actuant Corp.
- Designed & built *Dream Well*, an interactive matrix application and event cross-referencing archive.
- Designed & built *Member Activity & Donations Database* for Oregon Public Networking.
- Created *The Enchanted Fairyland of Opal Whiteley* website. Award-winning site, including Yahoo! Pick of the Week (<http://www.efn.org/~caruso/fairyland>).
- Built *Service Tracking System Database* for Kwiikee Products Company, as well as the *Efficient Invoicing and Processing* supplemental module for *Made2Manage* software.
- Built *Quality Assurance Database* for Johnson Crushers International.
- Built *Bed and Breakfast Client Database* for the Wardholm West Bed & Breakfast.
- Programmed rule-bound *Two-Player Scrabble* game.
- Built *Dungeon Role-Playing Adventure Construction System* – bought and distributed by LoadStar.
- Built *Quality Code Wallpaper Pattern Book Database and Encryption System* for Accent Interiors.
- Other original websites for organizations such as the Lane Arts Council, Friendship with Cambodia, Wild Gardening magazine, HELP Africa, EFN.org, the Grassroots Journal, and the Neighborhood Economic Development Corporation (NEDCO).