

Resume of

PAUL VAN AKKEREN

4605 Bel Pre Road
Rockville, MD 20853-2209

e-mail: paulvana@ieee.org
Web: <http://home.earthlink.net/~paulvana>

Phone: (301) 603-0837
Fax: (301) 603-9420

SUMMARY

More than 36 years experience in all phases of large and small systems analysis, design, development and technical writing. Included are more than 12 years of task and project leadership and more than 21 years of building his own business. Mr. Van Akkeren has a strong background in requirements analysis, proposal development, user and design documentation, structured and object-oriented design, programming, training, instructional system design, web design, system testing, and project management in varied applications. Mr. Van Akkeren has worked in a wide spectrum of industries and technologies. He has been responsible for many complex development and writing projects.

Capabilities

- * Systems analysis
- * Technical writing
- * Proposal and grant writing
- * Database programming
- * Web site and content development
- * Instructional systems design
- * Test program development
- * Marketing support
- * Applications programming
- * Project management
- * Information technology support
- * Business process re-engineering

EXPERIENCE

01/84 to present: *Akorn Komputing, Rockville, MD*

Title: Consultant

Genetics & IVF Institute (Fairfax, VA). Developed order entry system and related software. Developed order entry and inventory management system that allows customer service representatives to quickly enter product ordering information, create invoices, packing slips, and reports. Electronic interfaces allow credit card verification and e-mailing and faxing of paper products. Inventory information is updated by the order entry system to maintain up to date inventory information. The system also includes programs for maintaining patient and account information, as well as an interface to the corporate accounting system. Numerous reports are produced on a regular or as-needed basis. Security features limit access to the system as well as to critical features and information. Automatic backup, maintenance, and notification programs assure system integrity and alert management to past and upcoming events. The system handles and controls virtually all information in the largest division of the corporation. Currently providing maintenance support for system. Environment: Visual FoxPro 6.0, ActiveX components, Adobe Acrobat, RoboHelp, and MS Word.

Potomac Hudson Engineering (Bethesda, MD). Development of a user interface and database system for tracking and analyzing hazardous waste and pollution creation/generation activities at U.S. Marine Corps facilities. Developed a complex set of worksheets and procedures for users to identify pollution causing activities, materials involved in the activities, potential projects and costs to remediate the pollution causing activities, and measurement of the results of the solution. Package included financial analyses of project alternatives. Also provided analyses and evaluations on related tasks. Environment: FoxPro 2.6Win, Genscrnx, MS Word, Adobe Acrobat, Visual FoxPro 3.0, RoboHelp.

Merkle Computer Systems, Inc. (Lanham, MD). Querying large databases to create mailing lists and database analyses. Created SQL queries of very large databases, using fuzzy search and matching criteria, multiple relational tables, and reports to generate database tables for mailing lists. Created reports and ad hoc querying programs. Imported data from ASCII files containing data entry errors. Close support of customer service and production, as well as development. Developed applications to automate complex data entry and manipulation processes. Extensive use of SQL querying, updating, and other SQL features. Environment: FoxPro, Visual FoxPro, and Windows NT on a heavily used multiple server Netware network.

Rhode Island Medical Center Department of Substance Abuse (Providence, RI). Informix programming support. Wrote programs for handling patient and contractor data. Made recommendations for electronic interfacing with contractors. Reviewed and advised on related programs. Included use of SQL querying, updating, and other SQL features. Environment: Unix and Informix SQL; remote access through PC network and stand-alone PCs using IceTen and ProComm Plus Windows.

Science and Policy Associates (for EPA) (Washington, DC). Mathematical model development. Analysis and implementation of a mathematical model for environmental studies. Designed and developed system composed of many highly complex mathematical equations, including a graphical user interface and parameterization to allow extensive flexibility to non-programmer researchers. The system allowed researchers to examine the long-term effects of forest destruction. Included multiple types of forests, multiple regions of the world, multiple destructions (forest fire, harvesting, pest kill, forest management, and others), selectable periods, and future assumptions. Included recommendations for future development. Environment: IBM-PC and compatible, DOS, C language, Vitamin C library, WordPerfect.

Developed and maintained web sites for Akorn Computing, personal, and several social groups. Wrote all technical, user, and other documentation for all software developments.

EDUCATION

BSEE, 1969, University of Wisconsin. Major study in computers. Graduate level studies in bioengineering at the University of Wisconsin and math at the U.S. Department of Agriculture graduate studies program.

PROFESSIONAL AFFILIATIONS

Member Institute of Electrical and Electronic Engineers (IEEE), Capital PC User Group (CPCUG) (formerly on Board of Directors), and Association of Proposal Management Professionals (APMP). Former chairman of Legislative Committee of Association of Home-Based Businesses (AHBB) and charter member.

HARDWARE/SOFTWARE

Processors: IBM PC and compatible (x86, Pentium x), RS/6000, 4381, 9370, 1130, 7090, & 1620, NAS 9000, DEC PDP-11, LSI-11, & PDP-8, XDS 930, Varian 620i, TI 980B, CDC 1604 & 3600, Xerox 6085.

Other hardware: FPS & AP120 array processors, AMD2900 embedded microprocessors.

Languages: FORTRAN, Xbase (Visual FoxPro, FoxPro, FoxBase, dBase III+), BASIC, QBASIC, Visual Basic, Assembler, C, and knowledge of PASCAL, COBOL, and C++.

Operating systems: MS/PC-DOS, MS-Windows, Windows for Workgroups, Windows NT, Windows 95/98, Windows 2000, AIX and UNIX, OS/MVS/XA, VM/IS, TSO, RT-11.

Packages: Visual FoxPro, FoxPro (DOS/Win), Dbase III+, Lotus 1-2-3, Excel, Visual Basic, Procomm Plus, WordPerfect (5.1, 5.2, 6.1, 7.0, 8.0), Word (6.0, 7.0, 97), DrawPerfect, Visio, PowerPoint, MS Project, WordPerfect/Corel Presentations, RoboHelp, Freelance Graphics Plus, Norton Utilities, Vitamin C, KNOWOL, Crystal Reports, MS FrontPage, many word processors, DSS, QMF, SAS, SPSS, LIMS, ISPF, SQL/DS, Informix, Viewpoint, DB2, Focus.

OTHER

List of publications, references, writing, training, and programming samples available on request and on web site.

Available to work on-site or at home office (home office includes multiple high-performance computers-both desktops and laptops, high resolution color scanner, color and laser printers, fax, most major software packages, and other equipment).

Mr. Van Akkeren works with a network of professionals and support personnel who can provide additional services as needed.