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SECURITY CLEARANCE: Recently held DOD Secret (Dec 2000). Have Held DOE "Q"

EDUCATION:

BS Physics, California State University at San Diego, Jan 1972.

MA Applied Physics, California State University San Diego, Ca. 1973.
Thesis: Neutron Scattering Inside of a Moderator.

MBA Organizational Stress, NOVA University at Fort Lauderdale, Florida, 1983.
Thesis: Techniques for reducing Organizational Stress.

Additional study towards a Ph.D., Physics, approximately 20 credits,
University of Maine, Orono, Maine, 1973-1974.

Additional study toward third master's degree: Radiological Science, approx. 20 credits
University of Washington at Seattle.

EXPERIENCE:

Over 18 years experience in Unix/Linux/Solaris/Windows System Administrator, Software Design, ORACLE DBA, ORACLE DBA, ORACLE WEB MASTER, Data Base and Data Warehouse Design, development and engineering, using ORACLE ENTERPRISE MANAGER and NET8, and interfacing data bases to the internet and to the outside world. Over 10+ years experience using and administering databases using SQL SERVER. Over 15 years experience as lead member of software development teams consisting of at least 4 members. Over 8 years experience in supervisory, first line management, and project lead positions for teams engaged in software design, development, and software engineering activities. More than 13 years experience using "C", 7+ years using C" (Visual C++6.0, 5.0) with MFC, 7+ years using Visual Basic (6.0, 5.0), Active X controls, OCX automatic messaging software, 4+ years using java, JDBC, applets, servlets, main programs, 7 years designing and using ODBC drivers and JDBC drivers, and interfaces., 2+ as INFORMIX DBA. 4+ years using JAVASCRIPT, 5+ using HTML, VRML, ASP. Experience includes 6+ years Visual C++ 6.0 + MFC code & object development, 5+ years using INFORMIX and 4GL including the design and use of the INFORMIX ODBC data base interface. Experience includes 18+ years using FORTRAN, 14+ years using COBOL, 14+ using SQL and embedded SQL. 5+ years of experience using the APACHE web server, 4+ using Microsoft IIS web server, 3+ using the java JIGSAW servlet oriented web server. 2+ using java webstart and JNLP.

Web Master for numerous major web sites. 5+ years experience authoring websites with supporting related databases, frequently located behind firewalls. Designed and created the full

range of web sites, including Military / government websites, GIS, Mapmaking, and Geospatial related websites

Recently held position of Legacy Products Manager, Legacy Database Manager, and Webmaster on a major USAF GPS test program. This involves designing, developing, and implementing several large, major internet web sites that interact with supporting databases. These websites include extensive use of GIS, Mapserver, JAVA Applets & Servlets, PHP4, TCL, SQLSERVER, ASP, XML, many others. Position involved extensive data analysis and reporting, probability and risk analysis, and extensive tool development.

Over the course of my career, I have designed, developed, and implemented many networks of interacting web sites based on APACHE, ORACLE 9i, 8i & 8, and Microsoft IIS web servers, GIS mapservers, java web servers, and web listeners. These web servers are supported by several databases using ORACLE, SQL SERVER, INFORMIX, MYSQL, and Microsoft ACCESS engines. These web site complexes operate behind various firewalls. They include numerous CGI-BIN programs coded in PERL 5, JAVA, JDBC, ODBC, VISUAL BASIC, C, CPP, Unix Scripts. They include several persistent ORACLE WEB LISTENERS, and several custom written Visual C++ programs. These web site complexes include networked computers using NOVELL servers, Samba servers, SUN Solaris, Windows NT, and Windows 98. On each of the various computers within the complexes, I have placed one or more web servers, along with FTP servers and E-mail servers, as needed. These web complexes receive input from HTML / DHTML forms, and produce various output such as Financial Accounting Summary reports that are returned to its various web interfaces.

Developed numerous powerful, generic ODBC related database software libraries and stand-alone programs that greatly speed ORACLE / SYBASE, or other database development activities. Examples include my ORACLE dynamic SQL processors.

Developed and market Windows98/ODBC based scientific program named SAFETYSHIELD II using Microsoft C++ version 6.0 software. Uses OLE2 containers, OLE-CLIPBOARD COPY/PASTE, OCX, MFC, ODBC3.0, DIALOG boxes, and other windows object orientated software.

Developed a powerful, generic stand-alone SQL related database development software library that greatly speeds ORACLE or SYBASE database development activities, and returns its output to a web interface.. Uses PRO*C. Extensive advanced experience with all ORACLE products, including designing ORACLE8 databases, forms, system administration, CASE tools, ARGO UML JAVA based tools, UNIX environments, ORACLE8 ENTERPRISE MANAGER, INFORMIX ENTERPRISE MANAGER, many others.

Developed Hardware Test Suite using ADA with C/assembly language interface to low level hardware. Included programming standard EPROMs using C.

Extensive experience developing web tools, ODBC, DAO, ACCESS Jet Engine, (many others) related software in C++ environment. Extensive experience using a variety of operating systems including AIX, HP-UNIX, SUN SOLARIS & UNIX, SCO UNIX, VAX, CRAY, IBM mainframe, PENTIUM, - many others. Extensive experience with PERL5/TK & DBI, CGI-BIN, JAVA,

COLD FUSION, Flash, many others.

Extensive in-depth technical experience includes large data warehouse and data base development using ORACLE8, ORACLE8i, INFORMIX, SYBASE, MYSQL, Ingress, METRICA, DBASE5, System 2000, SAS, SPSS and many others, with & without ODBC interfaces. Extensive experience as SUN/VAX/UNIX systems network administrator and systems analyst. Extensive experience developing software systems that communicate with hardware in real-time.

Extensive experience performing internet & web site development related services, scientific analyses, database systems, and in developing software systems with user-friendly, color graphic oriented human interfaces. Graphic interface experience includes WINDOWS95/98/NT, UNIX MOTIF, X-Windows, UNIX, LINUX, JAVA, PERL TK, PERL DBI, many others.

Extensive experience developing software using IDE development environments including MS Visual Development 6.0, Java NetBeans IDE, ORACLE Designer and Java JDK, Java Forte 1.4, Jcreator, many others

Extensive experience with the DOD and DOE documentation requirements and software development, evaluation, and scheduling processes, analyzing and developing information systems, software quality assurance and control techniques, software inspection practices, software testing and demonstration techniques, CASE tools, UML Tools, Source Control techniques, the techniques of structured analysis, and object oriented programming. Authored several DOD software design related documents including the SDD, SRS, and Detailed Design Document.

Over 18 years experience performing nuclear related scientific analyses that includes criticality studies, nuclear computer code development, radionuclide inventory, irradiation, and decay modeling computer code development, radiation shielding studies, health physics analyses, and probabilistic risk analyses.

Extensive experience using all forms of hardware and operating systems including SUN, SOLARIS, UNIX, LINUX, ULTRIX, AIX, Windows 95/98/NT, VAX, IBM, VMS, VME, CICS/VS, AS400, PDOS, CRAY, many others.

Attended numerous system orientated training classes and seminars, including training using Java Web servers, ORACLE 8i & 8.05, ORACLE web servers and listeners, MAPSERVER, IIS, ASP, PHP, TCL, WEBDB 2.2, INFORMIX, E-commerce, Microsoft Visual C++6.0 & 5.0, MFC, Active X controls, OCX, web dev using HTML, Java, JDBC, Perl 5.004, APACHE, ARGO UML, SAMBA, - many others. Deltek COSTPOINT Financial Accounting software, many others.

SPECIAL HONOR

Perfect score (800/800) in math Ability on the Graduate Record Exam, Oct. 1972.

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Txu-249-198 30May1986 Safetyshield User's Manual + Safetyshield FORTRAN code

Txu-836-633 27Jan1998 Hall Photon Theory

ISBN: 1-4033-6873-2 (e-book) Millennial Hospitality

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Millennial Hospitality II is subtitled "The World We Knew"

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ISBN: 1-4107-3395-5 (Softcover) Millennial Hospitality III

ISBN: 1-4107-3396-3 (Dustjacket) Millennial Hospitality III

Millennial Hospitality III is subtitled "The Road Home"

PUBLICATIONS and WEBSITES

<http://www.millennialhospitality.net>

My homesite for books entitled: Millennial Hospitality (www.authorhouse.com)

Millennial Hospitality II "The World We Knew" (www.authorhouse.com), Second book in series.

Millennial Hospitality III "The Road Home" (www.authorhouse.com), Third book in series.

<http://chall.50megs.com>

My older general purpose website for my publishing my theories on the inner physics and structure of the photon, as well as my resumes and biography.