

Dennis Kennedy
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Business and Computer Consultant

Resume #16120713

OBJECTIVE	For the last several years, all of my assignments have been where I am the 'last' person called in to solve problems and produce results. I am especially interested in using my skills in design of improving security. (Note that additional details can be found at http://www.geocities.com/dkblid .)	
TARGET JOB	Desired Job Type:	Employee, Temporary/Contract/Project
	Desired Status:	Full-Time, Part-Time
	Site Location:	No Preference
	Career Level:	Executive Management (Manager/Director of Staff)
	Date of Availability:	Immediately
TARGET COMPANY	Company Size:	No Preference
	Category:	Information Technology
TARGET LOCATIONS	Relocate:	Yes
WORK STATUS	USA-OH-Cleveland	I am authorized to work in this country for any employer.
EXPERIENCE	1/1982 - Present	Self-Employed Business and Computer Consultant Cleveland, OH
CONTRACTS	1/2002 - Present	Amros Industries Cleveland, OH
	Computer Consultant	
	IT Manager. Real Time Production Control - Designed and wrote Multi-User, Distributed Network, Web-Enabled, Real-Time and Database (ADO and DAO) program in primarily Visual Basic with SQL, FoxPro, Access, Java(Script), C# and C++ (through .Net) with PLC's (Programmable Logic Controllers) for manufacturing and production control. Programming in X10 for additional automation and security including video. Database and Systems Admin. Computer maintenance of Windows network, including Sun Unix servers.	
	12/1999 - 9/2001	National Missile Defense, Boston, MA Upgraded Early Warning Radar (NMD:UEWR, DOD) Boeing, Raytheon and Silicon Graphics
	(SGI) Computer Consultant - Unclassified	

Digital Signal Processing - SGI Origin 2000 / 3000 (multi-parallel processing up to 96 CPU's) Supercomputers. Project lead. Responsibilities include IRIX (UNIX) Internals, Real-Time (nanoseconds, complete cycle 55 milliseconds max) Object Oriented Design and Programming (OOD/OOP) of POSIX Compliant 64-Bit Multithreaded C++, Documentation (including SDD), Testing, Reviews and Instruction. Designed and programmed from scratch the application framework including the library of all base and general programmatic functionality w/ Wrappers, Object Cooperation, and Modular ('Plug-In' with 'fill-in-the-blank') themes. Designed and programmed all general utilities, such as queues, communication, sockets, threading, synchronization, locking, memory usage and allocation, application control, timing, portability, program and thread safety, workflow, testing, parallel, etc. towards removing all low-level and non-specific functionality from the Modules and set up reporting to Oracle for analysis. Wrote multiple tests (including stress tests), shell scripts and designed scheme for the debugging and testing of code coverage and error handling. Designed and developed the Makefile system. Wrote multiple documents and gave presentations, training and classes towards the education and instruction of UNIX, C++ and my library and provided developer support. Debugged the SGI kernel and the associated libraries. Utilized ProDev Workshop (cvd), IrixView, Rational Clearcase (including administration), etc. Extensive R&D towards achieving quality of Seven-Nines (two seconds total downtime per year). SGI Consultant on project.

12/1999 - 7/2000 Advisory Services, Inc. Cleveland, Oh

Computer Consultant

Portfolio Manager, Financial and Accounting - Converted an Informix program (complete program rewrite) into 4GL/SQL for Y2K error on SCO OpenServer 5.0. Also fully converted into PIC Visual C++ and Java(JavaScript) Web Database (Multitier Application plus Multitier Database) utilizing both Informix and FoxPro Databases (with C/C++ source) for full high-speed Intranet and Internet access. Performed misc. SCO OpenServer 5.0 and Windows NT 4.0 Server administration and networking. Previously, built 12 Windows workstations and one Windows NT 4.0 Server (PDC). Set up SCO OpenServer 5.0. Wired 10-Base-T network with patch panel, etc. Set up MIIS with Proxy, Exchange, RAS, DNS, DHCP, NFS, etc. Fully serviced account since late 1980's.

8/1999 - 10/1999 Allsup's, Inc. and Santa Cruz Clovis, NM
Operation, Inc. (SCO)

(SCO) Computer Consultant

Point of Sale - Made final corrections on a Point of Sale program, converted (C-Code) from DOS to SCO UNIX, including the communication between registers and the servers, the file transfers between registers, resetting the ports, connecting the notebook (auditor's program - FoxPro), the barcode scanner, the check scanner, both UPC printers (with old and the new barcodes), the handheld scanners, IBM Touch Screens (the larger offset and scaled), set up and taught UNIX and SCCS, wrote a TCP/IP Socket Program for transfers (300 stores) to the Home Office, etc. Designed setup and rollout of 900 computers. SCO Consultant on project.

11/1998 - 3/1999 Medical Mutual of Ohio Cleveland, Oh

Computer Consultant

Patient Information / Remote Quote System - Visual Basic Client to Oracle (AIX) - Finished a Visual Basic conversion (DAO, direct SQL, ActiveX and Sheridan OCX tools) that connected to an Oracle Database on an RS6000 via Modem by using ODBC and Oracle SQL client connectivity.

8/1998 - 11/1998 Federal Reserve Bank and Cleveland, Oh
The U.S. Dep't of Treasury
(SecureID)

Computer Consultant

Linux C Programming for connectivity to PowerBuilder and C Programming for a Sybase database - (1 - FRB - January, 1996 to March, 1996) Set up Linux and network (LAN, SLIP and PPP) between Windows 3.1 (Trumpet Winsock), Windows NT and Linux for testing of motion software (Robotics). Programmed in 'C' on Linux for Socket Calls and in PowerBuilder on Windows / Windows NT for database. (2 - FRB/USDoT - 1998) Wrote a C / C++ program to interface with Sybase on AIX to load, update, query, etc. records. I wrote it in a 'Visual Basic / PowerBuilder' style (future maintenance similar to current skillset), including creating routines similar to Basic / PB. I also made the program 'look' like the Sybase Database, creating Structures similar to the Sybase Tables and Functions similar to Sybase Routines and Stored Procedures.

8/1998 - 1/1999 Secant, Inc. Cleveland, Oh

Computer Consultant

Database Middleware - Led the conversion (single source) of a multithreaded SQL Library / Framework written in C and (primarily) C++ (Borland, Microsoft, approx. 8,250,000 characters of source code) from Windows NT and OS/2 to Sun Solaris (32/64Bit, GNU, Solaris CC and WorkShop), HP-UX (10.2/11, 32/64Bit, GNU, aCC with DDE), AIX (4.1, GNU, Visual Age - future usage) and Linux (GNU - future usage), POSIX Compliant, using COM, CORBA (w/ IDL/ODL, custom and COTS orbs), MFC, OWL and STL as well as Yacc, Lex and Java (jars - approx. 1,250,000 characters of source code) for GUI to connect to and interface with Oracle (7.x & 8.x), Microsoft SQL, Sybase, Informix, DB2, Access, SQLAnywhere, etc. We also set up HP-UX (new D-Box) 10.2 and 11.0 (CDE w/ Exceed/ReflectionX), Oracle 7.3 and 8.0 on 10.2 and Oracle 7.3 and 8.0 on 11.0 and the Sun Ultra 5.6 Sparc Server (OpenWin w/ Exceed/ReflectionX) with Oracle 7.3 and 8.0 and Sybase 11 and utilized Rationals Rose and Purify, shell scripting, libtool, autoconf, automake, Samba, Sharity, CVS and Microsoft Visual SourceSafe.

3/1998 - 9/1998 Daewoo, Inc. Cleveland, Oh

Computer Consultant

Database Programming - Merged two (2) unlike database systems together, approx. 7,000,000 records, while creating data and relational integrity. Programmed multiple corrections and additions using Informix 4GL and FourGen Accounting / Application Generator on IBM AIX UNIX. Corrected FoxPro integration, VBA for Excel, assisted with SGI IRIX, HP/UX and AIX admin and ASP Web w/ Microsoft Transaction Server and SQL.

7/1997 - 10/1997 Regional Sewer District Cleveland, Oh

Computer Consultant

VAX and Oracle Administration - Set up TCP/IP Network between DEC VAX (UCX) and WFW, Windows 95 and Windows NT. Set up Oracle Network (TNS, SQL*Net) between VAX Server and Windows Clients, set up ODBC Connections and SQL*Plus. Multiple VAX and Oracle corrections. Wrote temporary SQL Script to Export.

4/1997 - 2/1998 dkFlyer dba Dennis Kennedy Cleveland, Oh

Computer Consultant

Virtual Database and Web Database - (1) Created a 'Virtual, 3D, On-The-Fly Database' for health care program utilizing Visual Basic with Access and Crystal Reports. (2) Created a Linux based Web Database (Internet/Intranet/Extranet) utilizing a Browser with JavaScript, in C++, with FoxPro '.dbf' tables (extremely fast combination). Extended Real-Time capabilities with memory resident binary database (faster).

2/1997 - 6/1997 Medusa Cement Cleveland, Oh

Computer Consultant

Visual Basic, Access and Oracle Programming - Programmed in Visual Basic, Access and Oracle to design and create a program for auditing the flow of invoicing, from the actual order through the final invoice, while providing for corrective measures. Also assisted in correcting the setup and configuration of their Sun Sparc Server and Oracle Developer/2000 and Financials Database.

10/1996 - 2/1997 Narco, Inc. Cleveland, Oh

Computer Consultant

HP/UX Administration - Networked, Configured and Updated eight (8) HP-UX 9000's (seven E-K Series, one J Series running X-Windows, HP-Vue, 9.04 through 10.20) through each other as well as through Novell, Windows NT Servers and Windows 3.1 for their worldwide network. Installed, upgraded and configured the Operating Systems and installed and configured the OpenSpool Printing Program (Master/Slave Realms) and the Network Management Monitoring Program. Redesigned (optimized) their backup routines for both the Servers (with and without OmniBack) and the Oracle Exports. Assisted in programming with Pro-C and advised with the design of the set up the new SAP Servers (with Oracle 7.x) on the HP-UX UNIX Systems and on their Windows NT 3.51 Servers to help replace their Oracle Based JCL System. Also assisted with the HP3000.

7/1996 - 1/1998

Kaiser Permanente

Cleveland, Oh

Computer Consultant

Windows NT (et al) Network Administration (WAN/LAN), Microsoft SQL Administration and Programming, Visual Basic, Visual C++ (MFC) and Access Programming - Used Visual Basic to connect with Access (ODBC) and Microsoft SQL (VBSQL / DB32) as the Database for Multiple Applications, including NetCheck (Computer, Network, SQL and Virus administration), a Windows NT Memory Analysis Program, a Server Maintenance Program, a Network and SQL Sampling Program and a Heads Up Data Entry WorkFlow and Processing Program (Workflow Optimization and Automation), among others. Corrected errors in the Visual C++ SQL Distributed database custom program. Optimized workflow process, access, network and database as a unit. Reset the entire network of approx. 1700 computers, including WFW and Windows NT Workstations, Servers and PDC/BDC's, both 3.51 and 4.0, DNS, DHCP, WINS, RAS, PPP, SMS, Proxy, SNMP, RAID (Hot-Swap), Trusts, Security, implemented the IBM ADSM backup system, Arcserve backup, set up Netscape and MIIS web servers, did minor server (Tricord) hardware maintenance and set up StorageTek. Set up the file servers. Administered the Distributed MS-SQL Network of 21 Databases across 21 Servers over a WAN (over 500 Gig of imaging data). Wrote additional Visual Basic and Visual C++ Programs to help with this Administration, including NetCheck (device / database administration), Tables (a program to synchronize Every Table, Field and Index on All 21 Servers), as well as others. Established the Backup Routines (Tasks to Dumps), created Devices, Databases and Tables, recreated Indices, wrote SQL Scripts, Stored Procedures and Triggers, optimized Replication, automated periodic 'Resets', created Web Based Reporting, etc. Automated and optimized scheduled events of network and database administration around users. Set up singular-administration capability. Also temporarily led the department, trained employees and documented. While usage increased by a factor of 18, total traffic decreased by a factor of 12, with uptimes of nearly 100%. Oracle database programming and administration for Call Center with Multi-Processor HP-UX Administration.

4/1996 - 5/1996

Akron General Medical CenterAkron, Oh

Computer Consultant

Misc - Operating System, Network and Database corrections and instruction.

3/1996 - 7/1996

Allen Bradley div. Rockwell International Cleveland, Oh

Computer Consultant

Visual Basic for Motion Control - Wrote the Visual Basic Intelligent Front Panel software (DDE) for controlling one or more CNC (Motion) Controls (Hard Real-Time) from Windows NT, for (multiple axes) Lathes, Mills and Grinders. Designed 78 screens to mimic the 9/260 CNC control. Automated testing. Multi-Lingual. Debugged C++ server interface.

1/1996 - 4/1996

Case Western Reserve University

Cleveland, Oh

Computer Consultant

Telephone / Time Tracking and Recording System - Programmed Informix 4GL to track and record telephone usage for students and teachers. Interfaced with PBS and commercial (external) phone service.

4/1982 - Present

Self-Employed

Self-Employed

Business and Computer Consultant

Customers have included (non-inclusive) Government: the Board of Education, the Dep't of Defense (D.O.D.), the Federal Reserve Bank, Muni Fire Depts, N.A.S.A., the Regional Sewer District, the U.S. Treasury Dep't (SecureID), Commercial: Advisory Services, Akron General Medical Center, Allen Bradley div. Rockwell Int'l, Allsup, Inc, Amros Inds, Case Western Reserve Univ, Daewoo, Inc, Figgie Int'l, Kaiser Permanente, Marymount Hospital, Medical Mutual of Ohio, Medusa Cement, Inc, Narco, Inc, Raytheon, Inc, Santa Cruz Org (SCO), Secant, Inc, Silicon Graphics, Inc (SGI), SmithKline Beecham, as well as multiple non-profit and not-for-profit organizations and associations, multiple local churches and others and the 'dkFlyer' webzine.

Additional customers have included Cleveland Pneumatic (Aerospace), Eaton Corp, GE, Gould Ocean Systems, Nuclear Power Plants, Van Dorn Plastics as well as assistance with GTE, Gojo, The IRS, Kitchler Lighting, etc.

Led and trained customer employees in operating systems, applications and programming. Beta tester for multiple Microsoft operating systems and applications. Additional programming in FoxPro, Delphi (Pascal), C++ Builder, Fortran, Progress, HTML, Perl, ASP, QB (DOS/Mac) and C (Mac/OSX), etc., Motion Control (Programming as well as CNC/DNC/APT/Conversational/PAL/PLC), CAD/CAE/CAM (3D), etc. Additional training in SAP (Master Certification). Knowledge of Military Quality Standards MIL-S-45662, MIL-I-45208a, MIL-Q-9858a, ISO 900*, etc, Mgmt Resource Planning, machining and manufacturing (former President). Systems Security. Contributor to Open Source Community. Very extensive and diverse education.

Author of 'PIC' - originally 'Production / Inventory Control', extended to 10,000,000 characters of FoxPro source code, 550,000 characters of help and over 500 tables for Association Management, Contact Management, Stock and Portfolio Management, Accounting, Law, Manufacturing, Motion Control, WWW, etc. (Note: for one example, Amros Industries has been using original 'PIC' to run their packaging business for well over a decade.)

Rewrote 'PIC' in Cross-Platform, Object Oriented C++ (Web Database) to 'Practical Intelligence Computing', with 'Practical' Artificial Intelligence enhancements (learning decisionmaking), extremely extensive Quality Assurance, Process Control, Encryption, Parallel and Distributed, Real Time (incl. Motion Control), X10, etc.

Designer of UniDos (in 1991) that utilized UNIX (XWindows) and DOS (OS2/Windows) together seamlessly, similarly to what is now in use today. Also included parallel, automated computing, X10 and a full Security System, among other items. (Skeletal versions in use by Amros and Advisory Services for several years.)

Recent extensive use of SGI's Video/Audio/Imaging software, Apple's iMovie/QuickTime and the RealVideo/Audio software, including streaming.

Designed the Trailer Axles for the MX-Missile Program in 1986 (blueprints on file with Kelley Air Force Base). Built First Article. Bid and built components for the wind tunnel for NASA Lewis Research in 1984, as well as for nuclear power plants. Designed and built Injection Molds (plastic and rubber), Tools, Dies (progressive, short run, four slide and injection), Jigs, Fixtures, Patterns, etc.

(Note that all dates are approximated. Please respond via email.)