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SUMMARY

Computer Languages	IBM S/390 Assembler, Intel 80x86 Assembler, C, C++, CICS Command Level, COBOL, DB2 SQL, DCL, IMS DL/1, ksh, Pascal, Perl, Rexx, and RPG.
Operating Systems	AIX, MVS/ESA, VM/ESA, DOS/VSE, DOS, OS/2, OS/400, BSD Unix, VMS, and Windows 98/NT.
User Interfaces	ISPF/PDF, Presentation Manager, Windows, Windows 98/NT, X11
Networks	SNA VTAM application programming; TCP/IP socket programming on mainframe (IUCV and Berkeley), UNIX (Berkeley), and Microsoft Windows (WinSock2).
Experience	C/C++ software developer on UNIX and Windows, IBM S/390 Assembler software developer , OS/390 MVS/ESA systems programmer, RACF and Top-Secret security administrator, SNA and TCP/IP network administrator, UNIX systems administrator, technical writer, and instructor.

WORK HISTORY

02/01 – 05/02

Cue Corporation, Irvine, California
Responsible for server-side software of wireless data network. Designed and coded Windows NT/2000 network services using WinSock2 to collect data from various service providers, and control panel applets for control and configuration. Also wrote services to deliver data over alternate third-party networks. Created a server application to collect and feed TMC (traffic) data to RDS FM sub-carrier encoders. Participated in the design of embedded-receiver protocols, and wrote server code for compression and encryption of over-the-air messages. Maintained proprietary server software used for collection and broadcast of various data including news, sports, weather, freeway traffic conditions, and custom messages. Created Web interfaces for end-users, the newsroom, and the customer-service department using a combination of ASP, HTML, VBScript, JavaScript, and C++ ActiveX automation objects.

07/00 – 02/01

Analysts International Corporation, Orange, California

Client: PacifiCare, Cypress, California
Designed and coded a parameter driven method of secure file transfer for EDI under the AIX operating system. Wrote ksh scripts to automatically generate parameter files and create Job definitions, and import them into the production AutoSys Job Scheduler. Coded VMS COBOL programs to map EDI data into in-house formats. Provided problem resolution for existing AIX, PC, and VMS based production processes. Prepared and presented multiple training classes on implementing secure file transfer, and an introduction to the AIX operating system.

11/98 – 04/00

RCG Information Technology, Irvine, California

Client: Cue Corporation, Irvine, California
C++ Programming on Windows NT, and ASP for Web site development.

Client: AT&T Wireless Services, Cerritos, California
Team member on Y2K project responsible for analysis, renovation, test, and documentation of back-office and interactive systems on AS/400 and UNIX platforms, with programs written in RPG, C, and assorted shell languages. Singly responsible for analysis, remediation, and testing of a core UNIX application, which interfaced to multiple third-party applications across the network, including a third-party remote CICS mainframe data base application.

| 10/97 – 10/98 | **Ascend Software Corporation, Chino Hills, California** |
| | MVS/ESA systems software and Windows/NT software developer, MVS/ESA and VM/ESA systems programmer, VTAM and TCP/IP systems programmer, UNIX systems administrator, and technical writer. |

| 10/90 – 10/97 | **Tone Software Corporation, Anaheim, California** |
| | Senior Product Developer responsible for design and development of MVS/ESA system software in C and S/390 assembler. Also provided documentation updates for product manuals. Prepared and presented product training classes both domestically and abroad. Assist technical support staff as required. Singularly responsible for MVS/ESA operating system and its components, from system generation through SMP/E maintenance, including VTAM, TCP/IP, JES, RACF and Top Secret, CICS, and more. Implemented a local area network with a UNIX file server used by Windows workstations, providing access to the mainframe computer, printing services, and an Internet gateway. Set up firewall with a PPP connection to the Internet, and multiple dial-in PPP connections for remote LAN access. Set up and configured Intranet and Internet E-mail with local POP and IMAP servers. |

| 2/90 - 10/90 | **Bauhaus Systems, Inc., Huntington Beach, California** |
| | Contracted with NCR Corporation to port a text based bank teller application running under MS-DOS to a graphical application running under OS/2 Presentation Manager. Devised a conversion methodology, then designed and coded the overall Presentation Manager front-end using C and 80286 assembly language. |

| 8/88 - 2/90 | **TRW Information Services, Orange, California** |
| | Application Programmer/Analyst with the credit data division responsible for maintenance and development of enhancements to the CICS and DB2 based online system. |

| 8/85 - 8/88 | **Independent Data Processing Consultant** |

Client: Western Savings and Loan, Phoenix, Arizona
Converted a DOS/VSE stand-alone online environment to MVS/XA. Converted the 3270 terminal support in the online environment from BTAM to VTAM. Completed a DOS/VSE to MVS/XA conversion involving the entire data processing center. Provided application and systems support for CICS applications. Designed and coded the host control software for NCR 5070/5085 ATM's in the online system. Coded a software interface between the online loan system and PC workstations for data collection, validation, and transmission.

Client: Bauhaus Systems, Huntington Beach, California
Provided programming support for the NCR 5075 Cash Dispenser in a financial terminal application. Installed and provided regular administration of UNIX System V on an Intel 286 based workstation.

| 4/85 - 8/85 | **IBM Corporation, Los Angeles, California** |
| | Systems Engineer for Information Systems Services. Provided software analysis technical reports of assembler language and PL/S code to IBM legal counsel. |

| 9/83 - 4/85 | **Great Western Savings and Loan, Northridge, California** |
| | Programmer/Analyst responsible for support of the consumer loan system batch and online applications utilizing both VSAM and IMS data bases. Assisted in a DOS to MVS conversion of S/370 assembler programs. Designed and coded a project management system written in COBOL and S/370 assembler language. Provided on-call application support. |

| 6/80 - 9/83 | **Dataware, Inc., Buffalo, New York** |
| | Conversion Specialist primarily responsible for the conversion of application programs between computer languages from various vendors. Specialized in assembler to COBOL conversions. Designed and coded proprietary software including a file comparison program used in the conversion process, and a full-screen CMS application to browse and edit PDS data sets owned by the OS/VS1 virtual machine. |

EDUCATION

1978-1980	Bryant and Stratton Business Institute, Buffalo, New York
	Major: Computer Programming Minor: Accounting
	Degree: A.O.S. in Computer Programming

| 1977-1978 | State University of New York at Buffalo |
| | Major: Computer Science |

REFERENCES

Available on request