

Resume

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Summary of Skills

- **Project Management**
 - Software development team leader (1 to 4 persons)
 - Schedule Design, coding, testing, release
 - Evaluate and acquire development tools
 - Schedule and appropriate development laboratory resources
 - Ensure thorough product documentation and standards conformance
 - Coordinate with design, marketing and manufacturing
 - Manage deployment

- **Systems Analyst**
 - System design
 - System and subsystem requirements specification
 - Subsystem architecture design
 - Subsystem interface design
 - Create product functional specifications
 - Microprocessor capacity feasibility studies
 - ASIC interface design
 - Evaluate OEM subsystems vs. in house equivalents

- **Software Design and Development**
 - ASP/ECMAScript/DHTML based Web design
 - Automated E-Commerce solutions
 - Microsoft Exchange Server Messaging
 - Microsoft COM technology
 - Real time embedded control
 - Telecom network signal processing and performance monitoring
 - Automated Teller Machine subsystem control
 - Object Oriented Design using ObjectMaker
 - Real time multitasking proprietary kernels and pSOS
 - Synchronous and asynchronous communications protocols
 - UNIX type tools to run under MS-DOS

- **Hardware Design and Development**
 - Microprocessor based real time controllers
 - AC and DC motor control
 - Optoelectronics
 - A/D D/A converters

- **Software Languages:**
ASP, Visual Basic 6, ECMA(Java)Script, J++, VBScript, HTML, DHTML, Java, Visual C++ 6, C, Assembly, Smalltalk, BASIC
- **Tools**
Microsoft Visual Interdev/FrontPage
Microsoft Visual J++ 6.0
Microsoft Visual Basic 6.0
Microsoft Visual C++ 6.0
Microsoft Visual Studio 6.0
Microsoft VISIO
Macromedia Dreamweaver
Adobe PhotoShop, ImageReady, Acrobat
Microsoft PhotoDraw
Source Control: Visual Source Safe, SCC
Tracking: Anomaly Tracking System; Problem Tracker
Numerous word processors including MS Word, WordPerfect, Interleaf, PageMaker
Spread sheets: MS Excel, Lotus 123
Databases: SQLServer, Access
Scheduling: Timeline
Numerous in circuit emulators, communications link monitors, debuggers, simulators, logic analyzers
- **Development Platforms:**
UNIX: SUN SPARC-2; HP9000; PDP-11
VMS: DEC VAX
WINDOWS NT4, 95 & MSDOS: IBM PC
- **Microprocessors:**
68302, 68000, TMS320, 6301, H8, 68HC11, Z8000, Z80, 6800

Employment History

Powercall Technologies Ltd., Nov 1997 through present.

As a Senior Software Engineer my responsibilities include the design and development of the Powercall Web presence and server side software components for Powercall's Web presence, E-Commerce and Computer Telephony Integration products. This includes both client side (JavaScript, Java, DHTML) and server side (various languages) web technologies. I coordinate the design of interprocess communications between the modules developed by various members of the development team. I make extensive use of object oriented design principles in a multi-tier architecture and am especially familiar with the Microsoft Component Object Model (COM) paradigm. I am also familiar with Microsoft Exchange messaging programming using Microsoft's Collaboration Data Objects (CDO). I also use my many years of product development experience to help Powercall establish efficient development and deployment processes. All development is performed on and targeted for Windows NT 4.

Telecommunications Techniques Corporation, Jan. 1993 through Sep. 1993.

Contract position. I designed and developed telecom network signal processing software using DSP techniques running on the TMS320 processor. Designed detailed test plans for a new product major release. Worked with a team implementing my test plans.

DSC Communications, Oct. 1985 through Dec. 1992.

DSC is a major supplier of long distance switching and cross connect products. My responsibilities included object oriented system architecture design, design team leader, embedded software/hardware architecture design, system interface design, ASIC interface design, generation of design documentation, coding and testing. I acted as liaison between hardware and software design groups, quality assurance, and manufacturing groups at design conception to optimize product design for overall performance, testability, and manufacturability. I coordinated the efforts of the design, testing, documentation and technical writing teams for smooth product release. My software designs include real time multitasking control functions, direct control of the hardware at the telecom network interface, telecom network performance monitoring, and sync and async serial communications protocols. I spent eight months on a special assignment in Silicon Valley as technical team leader to salvage a project that was in trouble. I designed and developed real time control software for an FDL subsystem and for DS3 network interfaces for DSC's DS0 and DS1 electronic cross connect products. I designed the subsystem interface for a SONET STS1 subsystem. I designed the software for a DS1 interface. I designed and developed both the hardware and software for a telecom network clock controller/tester for DSC's STP. I designed the hardware for the matrix cards for a Class-5 product.

DOCUTEL/OLIVETTI, Feb. 1980 through Oct. 1985.

Responsibilities included product and project management from conception through manufacturing startup of microprocessor based controllers of embedded systems in automated teller machines. I was responsible for coordinating design, drafting, documentation, lab technician and manufacturing startup personnel. I led an extensive performance evaluation effort comparing our cash dispenser against all the competition. I designed and developed both the hardware and software for two high performance cash dispensing systems, two depository transports with integral printers and an experimental carbon jet array printer. These designs included A/D converters, AC and DC motor control circuits, optoelectronic sensors and transducers and electromagnetic solenoid control. The software designs included real time multitasking control functions and asynchronous serial communications protocols. Traveled throughout the U.S., Japan and Italy as a technical representative of Docutel.

Honeywell, Jun. 1978 through Feb. 1980.

As a Field Systems Specialist I was responsible for the applications engineering, installation and servicing of microprocessor based environmental control, fire alarm and security systems for large commercial buildings. This position involved close customer interfacing and training.

Personal Details

Education

BSEET, BSMET 1978, Central Missouri State University
Warrensburg, Missouri, USA.

Leisure Interest

Sailing, both cruising and competitive
Playing acoustic string instruments
Studying philosophy