

## Major Skills

**Programming:** Analytical strengths in designing systems, debugging and problem solving. 19+ years experience in microcomputer and mainframe software research, design and development. Expert in PowerBuilder, SQL, Object Pascal, and Visual FoxPro. Working knowledge of Delphi, Visual Basic, C++, Java, XML. Experienced with Windows (9x, NT, 2K), NetWare, OS/2, UNIX, 80x88 and 370 Assemblers, PL/I.

**Networking:** 10+ years experience in designing, implementing and troubleshooting local and wide area networks via Fiber, Copper and Telecommunication lines. Experienced with Ethernet, Token-Ring, IPX/SPX, TCP/IP (Internet), SNMP, SNA, bridges, routers and switches.

**Training & Education:** Experience teaching formal courses covering Computer Literacy, Programming, Data Structures and Client/Server as an Adjunct. Informal training experience targeted for K-12, Higher Ed, and corporate audiences covering various professional development topics, the Internet, application and productivity tools.

## Employment

1998- [PrintCafe/Programmed Solutions, Inc](#) Norwalk, CT

### Senior Developer-Client/Server

- Hired to bring SQL Database expertise to development team
- Provide support & leadership to junior developers
- Assist in interfacing with e-commerce solutions via XML for PeopleSoft, 58K and internal offerings.
- Interface with QA, Tech Support and Documentation departments for internal training & end user support.
- Develop and lead seminars on SQL at PSI's Annual Users Conferences

1994- [S&S Resources](#) Norwalk, CT

### Client/Server Specialist (Consultant)

- Provide network and client/server expertise to clients.
- Create and maintain client applications.
- Maintain and administer SQL database engines, define SQL tables, referential integrity, triggers and stored procedures..
- Evaluate, recommend and/or deploy strategies for network and client/server needs.
- Plan and implement large client/server constituent management and fund-development database application.

1984-1994 [Iona College](#) New Rochelle, NY

### Manager of Network Systems Development

- Implemented wide-area network encompassing 30 buildings on 3 campuses & Internet.
- Maintained a 7x24 network with over 8 servers, some configured as redundant units.
- Devised special NetWare utilities to manage users and workstation configurations.
- Managed maintenance of [ConnectPac®](#) and support to clients.
- Invented software license metering scheme which used encryption and NetWare bindery manipulation to restrict access and prevent software theft.
- Created connectivity interface between PCs and IBM mainframes which enabled the mainframe to act as a file and print server to PC clients.
- Managed programming team and oversaw all areas of system life cycle: design, documentation, and support.

## Major Development Projects

### 1998- PrintCafe/Programmed Solution's Printing Management System

On-going effort to develop and maintain an ERP software system. Major contributions have included the timely implementation of MS SQL support for a FoxPro application, including migration tools; a major initiative to convert over 120 report programs to SQL stored procedures and extending the legacy database schema, including new "custom field" capability, relational integrity, and schema validation and maintenance tools. **Senior Developer**

### 1996-98 Client/Server Restaurant/Delivery Customer & Order Management Software

Create a SQL client/server software product to facilitate daily operation of take-out food service company. **Sole Programmer.**

### 1994-99 Client/Server Constituent Management & Fundraising System

Project to convert a 1980s system to Client/Server using PowerBuilder and an SQL engine. Emphasis is on providing staff with the ability to analyze donor trends and target donors more efficiently. **Project Leader, Main Programmer.**

### 1993 Effort Analysis Project

A personnel cost and effort analysis project used by an efficiency consultant and administrators as part of an efficiency/downsizing study. A true case of RAD, the application was developed (in FoxPro 2.6 for Windows) while the data was being collected. It was then refined to manipulate the data to produce reports requested by the efficiency consultant. The entire project took less than 8 weeks. **Sole Programmer.**

### 1993 THRUST

A Human Resources database project, created by others. Intended as a FoxPro 2.5 system, the original programming team had attempted to base the application on code from an earlier (1980's) application. The project was salvaged through over 120 hours of work in about 10 days. Both the application foundation and most of the user interfaces were recreated. **Sole Programming Consultant.**

### 1987-1993 ConnectPac®

A large system designed to integrate microcomputers, IBM mainframes, and Novell and IBM PC LAN servers. ConnectPac featured software metering--including sharing licenses across multiple LANs via an IBM mainframe--and data routing between PCs and mainframe printers. Approved by NY State as the first means of sharing educational software between K-12 schools, ConnectPac was used in nearly 100 schools across NY and in several colleges and universities. **Project Leader, Systems Programmer.**

### 1982-1988 AESOP & DBMS1

Spreadsheet and Relational Database system designed for use by colleges and universities to teach database concepts on IBM mainframes. Designed before dBASEIII was available, DBMS1 included relational and multi-user capabilities. These product were used by over 20 colleges and universities, not only for instruction but for some administrative tasks (one of which was still running in 1994). **Project Leader, Main Programmer.**