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## **QUALIFICATIONS SUMMARY**

Many years providing software architecture, analysis, development and project leadership, creating both software products and customized software. Primary area of expertise in publishing and content management applications

Document formats: XML, SGML, HTML  
Languages: Perl, CGI, SQL, Tcl/tk, C  
Operating systems: Microsoft Windows, UNIX

## **EXPERIENCE**

**Mystic Valley Software Associates, Inc., Newburyport, Massachusetts, 1994 – present**  
*Software Consultant*

Successfully self-employed, designing and developing custom software for dozens of clients as part of their implementation of content management systems. Work has been primarily in the areas of import, export, data conversion, data extraction and reports. Clients have been in a variety of industries, including: aerospace, manufacturing, pharmaceuticals, and journal and database publishing. Partial list of clients:

- ASTM International
- Gulfstream Aerospace Corporation
- Houghton Mifflin Company
- Information Please
- National Fire Protection Association
- Newport News Shipbuilding
- Pratt and Whitney Canada
- Tweddle Litho

Other technical consulting projects:

- Developed generalized, easily customizable document import facility to enhance the product offering of a content management system vendor.
- Implemented new source code control system, and migrated code base of millions of lines of code to new system.
- Provided software quality assurance services.

**Harlequin, Inc., Cambridge, Massachusetts, 1993**

*Technical Manager, Electronic Publishing*

Managed new software development group, developing new features for PostScript Level 2 software RIP product.

**Xyvision, Inc., Wakefield, Massachusetts, 1982 – 1993**

*Manager, Applications Engineering (June, 1991 – March, 1993)*

Led group of developers responsible for defining, producing and delivering custom software built around core Xyvision RDB, SGML and publishing technologies to company's largest accounts. Worked directly with customers to analyze requirements and to specify solutions for both legacy data conversion and on-going work. Personally implemented software in C and SQL. Coordinated activities of the customer, R&D and Customer Support to identify, track and resolve issues at customer sites.

*Manager, Graphics Software (April, 1990 – June, 1991)*

Directed the definition, development and release of the first completely platform-independent release of Xyvision publishing software. Coordinated efforts of R&D, Documentation, SQA, Customer Support, Marketing and Sales departments to achieve successful roll-out of the product. Also led group of developers and was chief architect for complete reimplementations of graphics processing software.

*Manager, System Port (November, 1987 – April, 1990)*

Directed port of publishing system (more than 750,000 lines of code) from proprietary platform to UNIX workstations. Staffed and managed group of ten developers. Successfully rolled out product as key member of company's product team, personally coordinating efforts of R&D, SQA and Documentation departments.

*Principal Software Engineer (January, 1987 – October, 1987)*

Single-handedly ported Xyvision's publishing system to second generation hardware platform.

*Manager, Editing Systems (April, 1982 – December, 1986)*

Led group of five developers responsible for user-interface software and WYSIWYG text editor.

*Senior Software Engineer (December, 1982 – March, 1984)*

Designed and implemented much of the infrastructure and capabilities of the user interface areas of Xyvision's groundbreaking publishing system.

**Atex, Inc., Bedford, Massachusetts, 1981 – 1982**

*System programmer*

Enhanced and implemented proprietary operating system for the PDP-11. Enhanced repair utility for B-tree structured file system. Rewrote operating system boot-up software.

**Evans Griffiths & Hart, Inc., Lexington, Massachusetts, 1977 – 1981**

*Programmer*

Developed custom system software on the PDP-11 for telephone company and banking customers. Maintained and enhanced stand-alone data entry software products.

**EDUCATION**

University of Massachusetts, B.S. Psychology, *Cum Laude*, 1977.