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## **PROFESSIONAL EXPERIENCE**

### **Digital Applications**

**Alden, PA**

**March 1999 - present**

Senior Software Engineer

I am responsible for the design and implementation of software related to the creation, manipulation and distribution of PDF file on the MacOS, Windows and various flavors of Unix. This includes both "plug-ins" for the Adobe Acrobat software as well as stand-alone applications for use of servers.

### **Adobe Systems, Inc.**

**Arden Hills, MN**

**July 1997 - January 1999**

Senior Computer Scientist

As a "Designated Free Electron", I was able to move from project to project applying my unique skill set where they were needed. This allowed me to work with many of the different product teams at Adobe and exposure to much of their technology including their PDF and their graphics and type libraries.

Some of the areas that I was involved with include design and implementation of a new x-platform framework based on many of the features of the PowerPlant framework and support and maintenance of a QuickTime screen recorder for both MacOS and Windows. Towards the end of my employment, I was heavily involved in the areas of HTML and XML/SVG generation, creating a framework for generating such SGML-based markup languages which was used in InDesign and Illustrator.

### **Aladdin Systems, Inc.**

**Watsonville, CA**

**November 1991- June 1997**

Director of Advanced Technology

I was responsible for research and development of new technologies and products (incl. CyberFinder, Private File, and the Aladdin Internet Libraries (for Mac & Windows)), licensing & acquisition of new products and technologies (incl. SpeedyFinder7, GH Transfer Tools, ShrinkWrap, and Rev), evaluation of 3rd party technologies and their effect on Aladdin, evaluation of industry trends and their effect on Aladdin and evaluation of prototype hardware & OS software.

Director of Engineering

In addition to managing a department of 5 full-time engineers (2 of whom were off site) as well as 3 contract engineers (including one in Australia), I worked with the other managers/directors in maintaining daily operations at Aladdin. I also reviewed and edited numerous legal documents including work for hire agreements, acquisition agreements and licensing/OEM agreements.

Software Engineer

Although not a specific position that I held, I was involved in all aspects (from design through actual coding) of all software products shipped during my employment including the StuffIt family (Deluxe, Lite, Expander, DropStuff, and SpaceSaver) for both Macintosh & Windows, StuffIt InstallerMaker, SITcomm, Aladdin Desktop Tools, CyberFinder and Private File.

Product Manager

Responsible for managing a 4 person product team involved in seeing the product from initial marketing requirement specifications through all aspects of product delivery including testing, writing of documentation, packaging, customer & technical support training, etc. I served as product manager for StuffIt Deluxe 4.0, StuffIt Expander for Windows & CyberFinder 1.0. I also performed other non-engineering duties including writing product documentation, press releases and advertisements, and giving product demonstrations to the press and user groups.

### **Software Ventures Corp.**

**Berkeley, California**

**May 1988 - November 1991**

As a member of the engineering team, I was involved in all aspects of the development of three major versions of their MicroPhone/MicroPhone II communications product (2.0, 3.0 & 4.0) and was serving as lead engineer for version 4.0 prior to my departure. It was also through my work in the acquisition of "Dialoger" (a user interface builder) that MicroPhone gained User-Interface building & display capabilities. I was instrumental in bringing Internet (TCP/IP) connectivity to the MicroPhone product line and beginning their move towards that marketplace including contracting an engineer to write a Telnet Connection Tool and the licensing of XferIt (the first Mac-like FTP client). I also performed other non-engineering duties including writing product documentation, press releases and advertisements, and giving product demonstrations to the press and user groups.

### **Davka Corporation**

**Chicago, Illinois**

**Sept. 1986 - May 1988**

I developed their initial Macintosh line of products, consisting of a series of Hebrew language tutorial application. I also worked with their graphic artists on a series of Judaic ClipArt and Hebrew & Yiddish fonts.

### **Lazerware, Inc.**

**May 1985 - present**

This is my own company through which I have done consulting for a number of companies including Aldus, Corel, Nisus and Userland. In addition, I have written a number of popular freeware and shareware products including Edit, DTPrinter, and OSA Menu.

## EDUCATION

1985 - 1988

University of Illinois, Champaign-Urbana

Undergraduate work in Computer Science and Linguistics

## SKILLS

Languages

BASIC, Pascal, C, C++, Objective-C, Java, Assembly (680X0 & PowerPC)  
AppleScript, UserTalk, JavaScript, REALbasic, EasyScript, Python  
HTML, CSS, XML, PGML, VML, SVG

Operating Systems  
Development Tools

Macintosh OS, MS-DOS, Windows 3.x, Windows 9x, Windows NT, Unix, OpenStep  
MPW, Metrowerks CodeWarrior, Symantec C/C++, Think C & Pascal, Roaster, ResEdit,  
Resorcerer, BBEdit, Macsbug, TMON, Jasik's Debugger  
Microsoft Visual C++, Microsoft Visual J++, CodeWright, Visual SourceSafe, Perforce, CVS  
Interface Builder, Project Builder, gcc, gdb, kdb

Areas of Specialization

Networking & Communications (serial & TCP/IP), Internationalization & non-Roman Languages, Open Scripting Architecture, Macintosh OS Internals, Compression, Encryption & Data Security, HTML, XML and Web Authoring

## CURRICULUM VITAE

1999

Speaker at MacWorld Exposition on "Understanding and Implementing XML" and "Unique aspects of Macintosh Administration"

1998

Speaker at MacWorld Exposition on topics including "Viruses and the Macintosh", "Security and Privacy", and "The State of Apple and the Macintosh"

1994 - 1995

Software included and featured in "QuarkXPress Tips and Tricks", "Scripting the Scriptable Finder" and "Create Your Own Home Page".

1994

Published article "Internationalizing Smart Quotes" in "Ultimate Mac Programming"

1992

Technical Editor for "Dr. Macintosh's Guide to the On-Line Universe"

1991 - 1993

Speaker at MacWorld Expositions on numerous topics including Macintosh Communications & Networking, Best of MacHack, MacTutor Live - "Apple events and You", and Meet the Programmers

1991

Published article on Hypercard 2.0 XCMD Extensions in MacTech Journal

1990

Published article on the Macintosh Communications Toolbox in MacTech Journal

1990 - 1991

Member of the editorial board of MacTech Journal

1990 - 1995

Ran the "Code Clinics" at MacHack

1989 - 1991

Head SYSOP for the Programmer's Roundtable on GENIE online service

1987 - present

Member of the MacHack Planning Committee

1987 - present

Speaker at MacHack on numerous topics including Macintosh Communications & Networking, Developer Tools, International Programming & Localization, System 7 Programming, AppleScript, PowerTalk, Macintosh Drag & Drop, and "Windows Development for Mac Programmers"

## HONORS

1998

MacHack 6th place (Switcher '98)

1995

MacHack 2nd place (CyberFinder)

1992

MacHack 3rd place (MovieFinder)

1991

MacHack 5th place (DTPrinter)