

Professional Resume

Richard L. Roth

Box 550, Greenfield, MA 01032
Direct:413-773-5270
rich@tnrglobal.com

Summary

Wide ranging experience in the computer field, with special emphasis in software product design, development, and project management. Experienced in company startup, new venture and growth funding and product market definition and development. Involved with the micro-computer business since inception. Involvement with web based systems since creation of the World wide web in 1994. Experienced with Web 2.0 and other social media platforms.

Degree work in Environmental systems, early development of recycling systems, water quality systems. Development of web based systems combining social media to support environmental, sustainable systems, cultural and small business economic development

Business Experience:

2007 to Present: Founder: Thrives Media, Greenfield, MA
2005 to Present: CEO, CTO: TNR Global, Greenfield, MA; Hadley, MA
1999 to 2000: Senior Software Engineer, Customer Service Manager: [Alysis Technologies](#), Holyoke, MA
1999 to 2003: CTO: [Go4media](#), Austin TX
1997 to 2004: Partner and Founder: [KATN Enterprises](#), Bloomfield, CT
1994 to present: CEO and Founder, [On the Net](#), Georgetown CT; Northampton, MA; Greenfield, MA
1986 to 1993: President and Founder, [Desktop Ai, Inc.](#), Westport CT, Fairfield CT
1984 to 1986: VP-Development and Founding Principal, [DataViz Inc.](#), Norwalk CT
1979 to 1984: Executive-VP, Chairman and Founding Principal, [InfoSoft Systems Inc.](#), Norwalk CT
1977 to 1979 President and founder, [TSA Software, Inc.](#), Monroe CT
1975 to 1976 Independent Software consultant, Mountain View, Ca
1973 to 1974 programmer, [Pacesetter Systems Inc.](#), Sylmar CA
1970 to 1972 programmer, [Rensselaer Polytechnic Institute](#), Troy, NY
1970 Aide and research assistant to Maryanne Krupsak, NY State Legislature, Albany NY
1968 Teaching aide, programmer, [Huntington Computer Project](#), Harborfields High School

Products Developed:

Web sites:

TNR: Thomasnet.com, Solrhq.com

Thrives Media: Earth Thrives, Meet Me Where, We Love Museums,
Fostering Art and culture

Online services and Systems:

Alysis Workout - Electronic Bill Presentment and Payment System; **Go4hosts.com** - New Generation Web Hosting system; **i-Depth** - Easy-to-use Web server side advanced services Framework;

Communications, Inter-machine Linkage and Data transfer:

C4u - CIS Offline reader for UNIX; **One Shot** - mainframe to micro utility; **MacLink** - "Mac to PC" Link with format translators; **Sony TWXDBA** - "TWX-database access" program; **ITERM** - Intelligent terminal emulator communications package; **DCOMM** - Machine-to-machine communications package

Database Systems:

MMD- Moving My data - Remote database synchronizer; **X2c** - portable Xbase compiler; **dBx** - The dBASE to C translator

Languages & development tools:

I/SAL - Structured assembler development software package; **IC** - "C" language development software package; **deb** - Symbolic Debugger, BASIC/R "Basic Interpreter"; **NSBasic** - "NorthStar" basic interface to CP/M

Word Processor/Editors:

WpDaisy - Video screen word processor (using Dynamic Screen Imaging on dumb terminal)

Micro-computer Disk operating systems:

I/OS Micro-computer (CP/M compatible) disk operating system, with multi-user and network options; **MDOS** - Mostek MDS "microcomputer development system", MOSTEK,inc; **TSA/OS** - Micro-computer operating system; **Cromemco CDOS** - The first CP/M-compatible disk operating system

Other:

Home computer: Coleco Adam Computer, Coleco Industries; **Video disk JOINS** - US Army Recruitment System ; video disk interface/word processor; **Test system:** ITTEL Tape drive circuit board test system; **Geo-physical computer mapping** and statistical analysis; **Computer aided voter re-districting**

Company Background:

2005 to Present: [TNR Global](#), Greenfield, MA; Hadley, MA – CEO/CTO, large scale database and search systems, working with CMG and Thomas Publishing to develop various systems.

Thomas Publishing Directories - 600,000 companies online, primary offering of
Thomas Publishing: <http://www.thomasnet.com>

Crain's Industrial Publications - live newspaper publishing

[<http://www.plasticsnews.com>] - [<http://www.rubbernews.com>] - [<http://www.wasternews.com>]

1999-2003: [Go4media/Go4hosts](#), Greenfield, MA and Austin, TX - CTO, responsible for all Internet systems and networks. Web sites include the Go4media network of sites, including teen sites: [Phat Start](#), [Cool Teen Chat](#); the [Go4hosts Hosting service](#); the [Managed Services offering](#).

1999-2000: [Alysis Technology](#) , Holyoke, MA - Part of acquisition team that purchased Workout Technologies and started a division of a California company in Holyoke, that was eventually acquired by Pitney Bowes.

Senior Software Engineer: Responsible for designing and implementing a corporate network infrastructure, and for working with the product architect to recruit and structured the development team.

Customer Service Manager: Responsible for developing the customer service organization and recruiting and managing product delivery teams.

1997-present: [KATN Enterprises](#), Bloomfield, CT - Founder and Partner. Company developers mid-sized Ecommerce Web sites. Acts as agent for hosting services and graphic artists. [Clients](#) include: [Farmstead Telephone](#), [OpalMine.com](#), [Inns.com](#) and [YankeeLady.com](#)

1994-present: [On the Net](#), Inc. Georgetown, CT - Founder and CEO. Company provides Internet services and products. Targets corporate connectivity, marketing techniques and services to Internet providers. Developed i-Depth to offer advanced services to the general Internet community. Developed complex web sites, including the backends. <http://www.on-the-net.com> and i-Depth service: <http://www.i-depth.com>

Thomas Register Regional Directories - 600,000 companies online
<http://www.thomasregional.com>

Crain's Industrial Publications - live newspaper publishing

[<http://www.plasticsnews.com>] - [<http://www.rubbernews.com>] - [<http://www.wasternews.com>]

First Usa Bank, Credit card Division - Worked on visitor tracking and security

1986-1993: **Desktop Ai, Inc.**, Westport CT - Founder and President. Company uses Ai technology to develop practical applications on desktop computers. Products: dBx, X2c , Over 5,000 copies sold.

1984-1986: **DataViz Inc.**, Norwalk CT - Vice-president, Founding principal. Responsible for software development, and advisor on product marketing. Products: 'One Shot', 'MacLink'. Company emphasis on using advanced but easy to use software technology to bridge gaps in data usage. Top rated data bridge product for the Mac of all time.

1979-1984: **InfoSoft Systems Inc.**, Norwalk CT - Executive Vice-president, Founding principal and First chairman Responsible for software development and customer support. Activities include product architecture design & specification, project planning & estimating, programming team management and overseeing of customer support staff. Consulted on marketing activities including product positioning, product pricing policies and customer contract negotiation. Technical responsibilities covered all phases of product development including documentation and end user packaging.

Major customers: Coleco Adam Computer, Principal designer of word processor, Advisor on machine design. Sony SMC-70 computer, Designer communications program, C3, inc. - US Army JOINS Recruitment System, Project leader for systems software: operating system, communications, video disk interface and word processor. MOSTEK: Mostek MDS "microcomputer development system", Project leader and customer interface for operating system; Other customers: Challenge computers, SD Systems, inc. Major Products: I/OS, ITERM, DCOMM, I/SAL, IC C, WpDaisy,

1977-1979 **TSA Software**, Monroe CT - President, founder; Micro-computer software, Major products: TSA/OS, ITERM, Daisy, NSBasic

1975-1976 **Independent Software consultant**, Mountain View, Ca Micro/mini-computer program designer and programmer: Cromemco CDOS - The first CP/M-compatible disk operating system and the basis for 86-DOS (bought by MicroSoft as MSDOS-1); ITEL Tape test system; Customers: Byte industries, Byte of Palo Alto, Experimental Cities

1973-1974 **Pacesetter Systems Inc.**, Sylmar CA - Program designer and programmer for dual Data General 800 mini-computer used in heart pacemaker battery test equipment.

1970-1972 **Rensselaer Polytechnic Institute**, Troy, NY Programmer and Graduate student assistant; Geo-physical computer mapping and statistical analysis; Computer aided voter re-districting

1968 **Huntington Computer Project**, Harborfields High School, Sponsored by Brooklyn Polytechnic Institute, Early experiment in computer aided instruction: Student, teaching aide and programmer.

Web Tools and Platforms:

Apache, MYSQL, Joomla, Wordpress

Computer language programming experience:

Java, JSP, PHP, JavaScript, C, C++, Awk, sh/csh/ksh, Perl, BASIC, Pascal, FORTRAN, ALGOL, Pilot, LOGO, Assembler for 8086, 8080, Z80, 6502, IBM 360, Make; xBase, SQL

Extensive experience in computer language design and implementation, operating systems, communications.

Computer package experience:

An acquaintance with most major micro-computer software, this list comprises only those used on a regular basis: Win 7, Win/Visa, Win/XP, Win 2000, Win'95/98, MS/DOS, Linux, UNIX, AIX, OS2, Mac OS, XENIX, SUNOS, Solaris, CP/M, CDOS, MVS, JCL, WinWord, PowerPoint, FrameMaker, PageMaker, WORDSTAR, Grandview, LapLink, Emacs, Vi, QPro, Excel, Works, 1-2-3, Multiplan, Milestone, Access, FoxPro, Foxbase, Clipper, dBASE II/III/VI, Reflex MacWrite, MacDraw, MacPaint, WriteNow

Professional affiliations:

Board member: Fostering Art and culture (2010-present), Yes Inc (2008-2010), Hidden-Tech (2002-present), Technology Enterprise Council (2001-2005), Western Mass Venture Group (organizing committee), Western Mass

Software Assn/WMTBC (1998-2001), Conn Venture Group (1995-96)

Member: PV sustainability Network (since 2008), MIT Enterprise Forum, WMSA, CT-VG (Since 87), ACM (Since 82), SIG-PLAN, SIG-Personal, SIG-ART, AAAI IEEE Microprocessor Operating Systems Interface Standards Committee, Homebrew Club (75-77), Boston Computer Society (81-96)

Listed in: Who's Who in Finance and Industry and Who's Who in the Computer Industry.

Publications and lectures:

Manuals and Books:

- So you want to be an Internet provider, On-the-Net, 1995
- Moving My Data, 1994
- X2c portable Xbase compiler, Desktop Ai, 1992
- dBx Translator System, Desktop Ai, 1986
- I/OS, Multi/OS and Multi/NET operating systems; WpDaisy Word processor; ITERM communications package; I/SAL assembler package; InfoSoft "C" programming language, InfoSoft, 1979-1983

Articles:

- "Database options for C developers", Computer Language, April 1991
- "Data Bridges", Expert Systems in Business, Addison-Wesley, April 1987
- "In the shadow of the Mainframe", ComputerWorld, Oct 15, 1984
- "A comparison of Logo's", Creative Computing, Dec 1984.
- "A User's View of operating Systems and Software Development Tools", Micro-software Guide and Directory 1983-84
- "String and Things - BASIC conversion techniques", Kilobaud, May 1978
- "Small-c Grows up", Nov. 1981 Dr. Dobbs Journal
- "Relocation is not just moving programs", Feb. 1978, Dr. Dobbs journal (Reprinted in Dr. Dobbs Volume 3)
- Master's thesis: Computerization of an environmental quality survey, R.P.I., 1973

Lectures and Courses Given:

- Greenfield, 2001: GCC and Franklin Regional Tech-School does linux
- San Jose, 2001: ApacheCon, Apache (by itself) does not a web site make.
- Raleigh NC, 1999: Linux Expo, Getting Linux Accepted into a business environment.
- Northeastern Univ, 1998: Accelerated Webmaster Seminar, Javascript and Client side programming
- San Francisco, 1998: ApacheCon, GUIs for Apache
- Hampshire College, Lemelsen program, 1998: Taking a prototype product the next step
- Hampshire College, 1998: Making a Slash in the Software Business
- Danbury, 1996: Danbury Community Network, HTML and Advanced HTML series
- Atlanta, 1995: Interop '95, "Database options for Web servers"
- Numerous: 1994, "The Internet - who, what and how"
- San Diego, Mar 1993 - Borland Developer's Conference, "Cross-platform Options for Xbase Developers"
- San Francisco, Feb 1988 - Software Developer's Conference, "Porting Database Systems"
- Wash. DC Oct 1982 - National Conference on using Small Computers , "Operating Systems"
- NY March 1982 - "National Online Meeting", "Using Micro-computers for Word Processing and DataBases"

Education:

Seminars and Certificates:

- 1998 - NxLevel Business Planning Strategies for High Growth Companies
- 1983 - Project Planning and Control
- 1982 - Sales Techniques
- 1976 – Environmental Impact Statement

Degree:

- 1973 - MS Systems Eng. Rensselaer Polytechnic Institute
- 1972 - BS Systems Eng. Rensselaer Polytechnic Institute
(5 year masters program completed in 4 Years)
(Specialization in Societal and Environmental Systems)