

BIO for Richard L. Roth
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Mr. Richard Roth has spent more than thirty years, using and designing computer systems and software among many projects and traveling the globe.

Semi-retirement and the Arts and Environment.

Mr. Roth developed an appreciation for the Arts when growing up on LI near NYC, and began to travel, with Sharon, Mrs Roth, as time and resources allowed. As he was able to transition TNR Global to team leaders and with the technology available to him, in 2010, he and Sharon created to reflect their love of museums, the web site 'WeLoveMuseums.com'. He has been involved in other arts related efforts include being on the board of the 'Fostering Art and Culture in Franklin Country Project' (<http://www.fosteringartandculture.org/>) (sponsor of the Creative Economy Summit) and the Greenfield Local Cultural Council. He and Sharon's interest in the Shakers, lead to various travels to Shaker communities and developing Shaker related web sites of Shakerstudies.info and Shakerpedia.com. His early interest in environmental issues (from the '70s) lead to helping the rebirth of the environmental movement, with such projects as Earththives.com, PvSustain.org and aiding local efforts of FC-CDC, Greening Greenfield and PV Grows.

Web, Small business and Industrial Search Engine Development: 1990's

In 1993, Mr. Roth started working on web related projects, having used the early internet for years. Web site work lead to merging database and web sites for more complex web sites and that work lead to projects using the database technology he developed as the back end for search engines. The primary project for the next few decades would come out of that work and eventual lead to creating TNR Global in 2005 and developing the search engine behind ThomasNet – the evolution of Thomas Register from the 100 plus year old industrial phone book to the premier industrial search engine with 10 of millions of web pages, product catalogs and spec sheets with millions of visitors a month.

His interest in supporting small business lead to being part of the organizing group for the Hidden-Tech local business network, which also lead to an active online email group that is very active still, helping local small business by co-operating to solve technical issues.

The first Twenty years: 1968-1990

He started in 1968 with Dartmouth Basic time-sharing, and used computers heavily while getting his Master's in systems engineering in 1972 from Rensselaer Polytechnic Institute.

His degree work in Socio-environmental System Engineering was a merging of applying computer power to addressing the growing concerns over the environment. As the environmental movement became more political and more requiring of grants for funding, Mr Roth shifted more toward the budding small computer field.

His Experience spans the range of mainframes, minis and microcomputers with concentration in microcomputers as the personal computer developed. As an experienced computer user, he found his needs in software systems to be unmet and evolved from a tool-user into a tool-maker.

Ever since his residence in Silicon Valley in 1976, he's worked with microcomputers as they evolved from an technical toy into the full personal computer of today. He was instrumental in bringing the CP/M operating system from 24K floppy disk systems to the hard disk mini-mainframes that personal computers have become. Ever since he worked with Cromemco in 1977 to produce the first enhanced CP/M compatible operating system (CCDOS), his efforts have stretched the capability of microcomputers one step further. A current example of his impact can be seen in MS-DOS/PC-DOS, which was based most directly on CDOS (by the author Tim Patterson before Microsoft acquired it). During this period, he was designer and technical advisor for the likes of Cromemco, Dynabyte, Byte Inc., and many other names in microcomputers.

In 1978 he returned to the East coast and continued to work with the fledgling microcomputer retail market working with the emerging Computerland of Connecticut chain and the likes of Datel, Prodigy Computer Systems, and Computerworks.

At this time, he produced one of the first micro-computer word processors, WpDaisy; and founded TSA Software to market Daisy and other software products. In 1979, TSA was merged into Infsoft, to become a leader in CPM compatible operating systems and customized systems software for Z80 systems.

At Infsoft, he was Vice-President of Development and chief architect for Infsoft products, including packages for Sony, the Army Recruitment Joins System, and designer for the Coleco Adam.

As the marketplace changed and the IBM computer and more sophisticated 68000 machines became predominant, Mr. Roth co founded Dataviz with the One-Shot product that he authored. Dataviz specializes in data-bridge technology between computers. Dataviz has produced the highly successful MacLink, which ties the Macintosh to the IBM PC, of which Mr. Roth was primary architect and author.

In 1986, Mr. Roth founded Desktop Ai, to produce software for desktop computers using AI technology for practical purposes. The result, thus far, is the well selling dBx Translator system. dBx uses AI techniques to provide an upgrade path for dBASE programs using the C language.

Over this extended time span, Mr. Roth has spoken at conferences and published articles in Computerworld, Creative Computing, and Dr. Dobbs Journal. He has constantly explored new areas of technology as computer advances allow new capabilities in software and has been active in advising hardware designers on maximizing benefits from software capabilities. As a founding member of the microcomputer community and an outstanding innovator, Mr. Roth is well known throughout the technical and business circles in the small computer community.