

Summary

Senior team member with extensive experience designing and marketing new technology products, developing advanced software and network systems, and managing small high-tech businesses.

Objective

A significant, challenging role developing innovative products and services – a role that requires a mix of technical, marketing, and management skills.

Experience

Veracode, Inc. (was: @stake, Symantec) Director of Engineering. 9/2002 – Present.

- Led development of “SmartRisk Analyzer”, Veracode’s flagship application security offering, incorporating an industrial scale, multi-architecture decompiler, multiple rule-based expert systems, and automated whole-program security analysis: customer’s EXE goes in, security report comes out.
- Guided team of fourteen engineers in development of million+ line multiplatform application, from pure research stage through product development, conversion to SAAS model, and high-volume production deployment.
- Multiplied product performance more than 100-fold through direct engineering contributions.

Clearway Technologies, Inc. Founder, CTO. 1/1996 – 9/2001.

- Invented the technology for the first Internet Content Delivery Network (CDN) in 1995; founded Clearway in January 1996 to develop and market the Internet’s first commercial CDN and related Web acceleration technologies.
- Patented key Web acceleration technologies (US Pat. 5,991,809 and others).
- Designed all aspects of Clearway’s flagship CDN product, “FireSite.” Hired and led a five-person team to develop and launch FireSite. Personally implemented performance-critical software modules.
- Tailored special editions of the FireSite product line for Enterprise, Web Hosting, and Small Business market segments. Brought product to market in eight months.
- Designed award-winning Web speed-searching tool, “Web Archer”. Brought product to both Mac and Windows markets in less than six months; secured licensing with multiple publishers and distributors.
- Created software Web server accelerator “NITRO PowerPlug” that doubled typical server performance.
- Hired professional management team in 1999 to raise capital and expand the company; grew company from eight to 100+ employees.
- Merged Clearway with then-rival Mirror Image Internet in January 2001. Served as Mirror Image’s Chief Scientist through September 2001.

Document Directions, Inc. Founder, Director of Technology. 4/1994 - 12/1995.

- Founded company with three partners to deliver custom, high-performance electronic document management systems to Wall Street banks and mutual fund complexes.
- Consulted to Bear Stearns; designed and implemented distributed cross-platform (Windows, UNIX, and Mac OS) “intranet” document management and information retrieval system.
- Consulted to J.P.Morgan on internal cross-platform (Windows and Mac OS) document workflow.
- Redesigned complete analytical information management system for Standard & Poor’s.

Interleaf, Inc. Senior Staff Consultant. 11/1992 - 4/1994.

Designed, developed, and deployed numerous automated, cross-platform (Windows, UNIX, and Mac OS) document management systems for Fortune 1000 customers. Systems focused on streamlining workflow through automatic document conversion, delivery, and tracking.

Experience, continued.

Cognitive Systems, Inc. Senior Technology Consultant. 6/1989 - 11/1992.

Designed, developed, and deployed cross-platform (Mac OS, UNIX, Windows) advanced technology systems using artificial intelligence techniques. Developed complete automated customer-service letter-writing system for American Express. Developed real-time newswire text analysis system used to detect insider trading on the Toronto Stock Exchange. Technologies included both rule-based and case-based text analysis.

Massachusetts Institute of Technology. Staff Consultant. 6/1987 - 7/1988.

VAX Resource Center. Assisted Institute faculty, staff, and students with VAX/VMS, Ultrix, and PC-to-VAX and Mac-to-VAX integration. Ported emacs to VMS.

Education

Hampshire College, Amherst, Massachusetts. Bachelor of Arts, Cognitive Science, 1989.
Concentrated in artificial intelligence and natural language processing.

Publications and Presentations

IEEE Expert journal, 1992. Peer-reviewed article on text database clustering and automated case-based reasoning in help desk automation.

NetProfessional magazine. Contributing Editor with regular column, 1996-2000.

Macworld/Pro Conference, Invited speaker from 1996-2000.

Patents

US Patent 5,991,809, "Web Serving System That Coordinates Multiple Servers To Optimize File Transfers" one of the first patents issued on the operation of a Content Delivery Network. US Patents 6,370,580, 6,480,893, 6,915,329, and 8,019,869, related.

US Patent 7,890,571, on programmably-selective caching of portions of a compound web page.

Skills

- Excellent communication and presentation skills; particularly good at communicating business and marketing issues to engineers, engineering issues to business and marketing people, and product benefits to end users.
- Extremely familiar with internals of TCP/IP, HTTP, FTP, SMTP, POP3, and DNS protocols, clients, and servers; working knowledge of most other popular Internet protocols.
- Over twenty years hands-on experience writing commercial software in a variety of languages, including C++, C, Java, JavaScript, LISP, assembly language, and custom purpose-built languages.
- Significant experience developing enterprise server-grade software, including managing issues of multithreading, resource locking, performance tuning, fault tolerance, and system security.
- Experienced in all aspects of small business operation including raising capital, financial management, human resources, product development, sales, marketing, and legal and intellectual property concerns.