Steven M. Cohn

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Software architect, leader, and mentor offering fresh insight and passion for innovation with a proven track record in planning, building and launching successful COTS, e-commerce, and business applications. Powerful strategist able to implement creative business vision, transform and empower organizations with process, tools, technologies, and strategies. Experienced in e-business start-up and expansion and the seamless integration of emerging technologies in a large user community. Keen, in-depth, and intuitive understanding of design, architecture, software life-cycle methodologies, and technology trends. Focused on building team cohesion and inspiring individuals to strive toward ever-higher levels of achievement.

PROFESSIONAL EXPERIENCE

Waters Corporation – Milford, MA   **Jun 2002 – Present**

PRINCIPAL CONSULTING SOFTWARE ENGINEER, *Principle Applications Architect*
As a member of the international team of core architects, focus on delivering benefit to customers by designing solutions for the next generation of analytical products. Responsible for the architecture and implementation of an extensible and highly scalable application foundation including security, auditing, localization and other intrinsic subsystems.

Lead the Performance, Scalability, and Reliability team. The PSR team is responsible for maintaining, analyzing, and correcting design issues that may impact the robustness of the overall UNIFI system. Publish best practice guidance for developers to avoid memory leaks and performance bottlenecks. As liaison to Microsoft's Premier Services, coordinated a week-long session evaluating the performance of UNIFI at Microsoft's Dallas Performance Lab. From this experience, I established in-house performance models for both tactical analysis of critical issues and long-running viability tests.

Development Project Manager of one of the two primary analytical applications released in UNIFI V1.0. Orchestrate schedules and development resources across both local and international teams spanning a multi-layered architecture of applications and subsystems. Technical lead and advisor for the Deployment, Installation, and Release Engineering teams.

Contributed to the company's World-Wide Software Development Lifecycle – a new ISO compliant process of standards and procedures. Authored many work instructions and procedures including coding and database guidelines, unit testing, and overall development methodologies.

Originally hired to train the Win32 staff in .NET and Internet related technologies, now continue role as technology mentor.

> *Primary Technologies*: .NET, C#, WCF, Windows 7/Server 2008, IIS, Web services, WPF, Windows Forms, ASP.NET, XML/XSD, Oracle 9i and PL/SQL, OLAP, SOA, UML, Telelogic DOORS and Change Management. 21 CFR Part 11 and ISO 9000.

Newmediary, Inc. – Newton, MA   **Jun 1999 – Jan 2002**

CHIEF TECHNOLOGY OFFICER, *Co-founder*

As principal software architect, technology mentor and motivational leader defined the technology infrastructure and product development strategies for a scaleable vendor directory and RFP/RFQ engine. This private-labeled Web-based ASP supported over 50 partners spanning multiple industries. Built and managed a comprehensive team including engineering, QA, and IT. Focused on finding accretive and complimentary products and solutions to extend our offering and mature our USP. Built cohesive partnerships with appropriate vendors to accommodate tactical needs. Defined and enforced corporate electronic usage policies and aligned technology solutions to match business objectives while effectively controlling costs and meeting timelines.

Primary Technologies: Windows NT/2000, IIS 4.0/5.0, ASP with server-side JScript, WSH, MS-Java 4.0, and SQL Server 2000, Cisco, Alteon, Check Point FireWall-1, Windows 2000 Cluster, Compaq StorageWorks SAN, SOAP, XML, DHTML.

- Authored an approved patent with 17 claims incorporating my work on Web site private labeling, a geographic radius-searching algorithm, and a system and method for connecting buyers and providers of business services.

- Facilitated intra-departmental communication and administration through a comprehensive intranet, combining extensive applications such as Web-based software life-cycle tracking, financial and statistical reports using OLAP, technical and user libraries, HR integration, and employee development and enrichment resources.

- Built and maintained proprietary tele-sales, e-commerce, and online advertising systems and supervised Pivotal CRM integration (now Microsoft Dynamics), network administration, security policies and help desk support. Directed the due diligence and procurement of all IT related areas and oversaw 24x7 operations, reliability, scalability, network design, security policies, system administration, and design and maintenance of co-location environments.

- Cross-functional responsibilities included strategic business planning and development, oversight of vendor selection and management process, contract negotiations, project management, change management strategies and senior level recruitment.

Boston Globe Newspaper – Dorchester, MA   Jul 1990 – Jun 1999

MANAGER OF INTERNET DEVELOPMENT, *Associate Software Analyst* (Aug 1995 –Jun 1999)
PRINCIPAL SOFTWARE ENGINEER, *Senior Systems Analyst* (Jul 1990 –Aug 1996)
Managed the R&D of new application and development technologies for the Intranet and Extranet, including Subscription and Advertising services and Single Sign-on solutions. Served as an active member of a cross-company consortium focused on integrating Intranet/Extranet resources for all of the New York Times Digital properties. Maintained a high level of availability and provided systems management and technical support of all critical servers. Designed authoring and publishing utilities for both content providers and operational support staff, such as page editors, tape backups, and statistical analyzers. Oversaw the development of all data-aware interactive pages, using primarily Microsoft technologies such as Visual InterDev, ActiveX/COM, and SQL Server. Recipient of 1996 Employee Outstanding Achievement Award for work involving our corporate intranet.

Deployed software solutions that provided process control, data acquisition, and factory automation/manufacturing strategies for the Boston Globe production environment. Systems included monitoring, intelligent process management, expert systems, development tools, and API libraries. Responsibilities included tight coordination between various departments within the company and third-party vendors to develop production control systems for all three Boston Globe plants.

- Inserter Control System – A fully integrated, distributed factory automation system.

- Message Delivery Facility – A bi-directional, even-driven messaging subsystem based on Ethernet and a non-transparent DECnet kernel.
- Integrated Mailroom Management – An expert system (rules-based) for scheduling "very complicated" production runs.

Primary Technologies: Windows NT, IIS 4.0, ASP with VBScript, Java 2.0 & MS-Java 3.0, SQL Server 6.5, MFC, ActiveX, OpenVMS, DEC Unix, Netscape LDAP Directory Services, C, COBOL, Lisp, Macro, various network protocols.

Boston Globe Newspaper – Dorchester, MA   Apr 1986 – Dec 1989

APPLICATIONS DEVELOPER, *General Applications Group* (1989)
NETWORK ADMINISTRATOR/SYSTEMS MANAGER, *IT/Operations Group* (1987 – 1989)
DATABASE ADMINISTRATOR, *Junior DBA and Engineering Support* (1986 – 1987)
Maintained a mixed mode VAX cluster running LOB applications and development environments supporting a user community of over 1500 users. Responsibilities included system configuration, network management, user support, security, application and layered product support, technical training, and solving real-time problems. Honored with a Boston Globe Co-op Scholarship for outstanding performance.

WeWantWorkBoston, *Technology Coordinator*   **Feb 2003 – Apr 2008**
etimes3 – Waltham, MA, *Software Consultant for Families Of September 11 Web site*   **May 2002 – Oct 2002**
Northeastern University – Boston, MA, *Instructor, State of the Art Continuing Education*   **Apr 1997 – Apr 1999**
ConsulTec – Boston, MA, *Technical Consultant/Trainer*   **Dec 1998 – Mar 1999**
Network World – Framingham, MA, *Freelance Writer*   **Dec 1997 – Apr 1998**
Digital Review – Boston, MA, *Freelance Writer*   **Nov 1989 – Feb 1990**

PATENTS AND PUBLICATIONS

Multi-mode acquisition (MMA): An MS/MS acquisition strategy for maximizing selectivity, specificity and sensitivity of DIA product ion spectra
Research Gate, August 2016

System and method for establishing business to business connections via the internet
Patent #7,266,512, September 4, 2007

Techniques for Event Notification
Patent Application March 4, 2011

EDUCATION

Northeastern University – Boston, MA
Bachelor of Science in Computer Science, 1990