

# RICHARD SIDNEY

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## SUMMARY OF QUALIFICATIONS

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- Software Applications Developer with over 20 years working with small teams architecting, designing and implementing application and database solutions to a wide range of enterprise and business problems.
- Expert at understanding diverse problem spaces and creating appropriate, effective solutions utilizing the best technology and design patterns available.
- Able to quickly identify core problems, elicit and document requirements, determine and communicate a proposed solution to diverse audiences, develop high quality systems and to perform in all phases of software lifecycle through production and application support.
- Expert with web-based, n-tier, object-oriented and aspect-oriented architectures.
- Extensive experience with Microsoft.NET technologies including C#, ADO.NET, Web Services, and SQL Server.
- Experience working with new technologies and mentoring teams on best practices and teaching through hands-on demonstrations and documentation.

## TECHNICAL SUMMARY

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| ▪ <b>Development Tools and Languages</b><br>Microsoft Visual Studio.NET technologies<br>C#, ASP.NET, ADO.NET<br>ADO.NET, OLEDB and ODBC<br>Microsoft Office Automation<br>Javascript, JQuery<br>HTML, CSS | ▪ <b>Database Management Systems</b><br>Microsoft SQL Server<br>Oracle |
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## PROFESSIONAL EXPERIENCE

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**SymmetryRx** Radnor, Pennsylvania May 2019-Present

A leading provider of marketing solutions for Pharmaceutical companies

**Chief Technology Officer**

Supported business in migrating and supporting application systems purchased from Aptus Health. Provide technology vision and support to help keep the business profitable and to mitigate business risk.

**Aptus Health** Reading, Massachusetts Oct 2015-Jan 2019

A leading provider of marketing solutions for Pharmaceutical companies

**Senior Engineer**

Supported application used by call centers to place and manage pharmaceutical sample requests on behalf of Health Care Providers.

- Designed and developed new features at customer's request.
- Provided support for issues identified by customers.
- Reduced technical debt in application through appropriate refactoring and updates to technology used in package, including the introduction of Dependency Injection, Repository patterns, and other best practices to increase product maintainability and reduce defects.
- Worked closely with business analysts and customer to provide high-quality designs for enhancements to the product.
- Worked closely with Quality Assurance technicians to document, track, and correct defects.
- Worked closely with Service Operations team to improve stability of application.
- Acted and Scrum Master for development and QA team for over four years, to deliver product updates in a timely and efficient manner.

**NaviNet Corporation** Boston, Massachusetts Oct 2013-Jun 2014

A leading provider of Health Care networking solutions

**Senior Engineer**

Participated in development of new generation of product applications to communicate between doctor's offices and insurance providers.

- Created MVC/Razor views to perform Claims inquiries.
- Created unit tests for MVC/Razor controllers, using Moq framework.
- Created Robot automated functional tests for complex web page containing pop-ups and tabs.
- Enhanced and maintained a custom jQuery plug-in to display a complex editable grid control.
- Created unit tests for custom jQuery plug-in using Chutzpah, Jasmine and CoffeeScript.
- Created custom validation attributes for MVC ViewModel.
- Enhanced emitted HTML to improve testability of various claims pages.
- Enhanced and simplified CSS style usage for jQuery plugin to match corporate standards and ease of use.

**Courion Corporation**

Westborough, Massachusetts

Nov 2011-Aug 2013

A leading provider of Identity Access Management (IAM) solutions

**Senior Engineer**

Participated in port of IAM solution for Password Management services to the Cloud. C#, SQL Server, WCF, .NET Web Services.

- Upgraded master solution for entire IAM system to VS 2010, Framework 4, and updated all unit test projects from NUnit to MSTest. Organized solution into related solution folders. Ensured that entire solution passed all existing unit tests and MAT tests.
- Engineered façade of secure configuration store to replace WMI implementation with secure database implementation. Developed both code and SQL unit tests and ensured that calling application continued to work. Included SQL Server database container and stored procedures.
- Implemented central licensing service for Cloud application. High-speed WCF services using certificate authorization and authentication, backed by SqlServer database.
- Created training presentations for developers on best practices using Visual Studio Database projects and Code Collaborator

**Blue Cod Technologies**

Marlboro, Massachusetts

Aug 2010-May 2011

A provider of back-office claim and policy processing services to insurance companies.

**Replication/Migration Architect**

Participated in developing and enhancing replication services and data migration and conversion applications for insurance data between a legacy claim and policy processing system and a replacement system. C#, SQL Server, WCF, .NET Web Services.

- Enhanced, developed and tested applications to migrate and convert data between legacy claim and policy processing system and new system. Improved reliability, exception handling and reporting and multi-customer customization and maintenance.
- Created command-line implementation of migration utility processing, allowing unattended processing of multi-day migrations.

**Virtual Radiologic**

Minneapolis, Minnesota

Apr 2007-Jan 2010

A radiology practice providing remote radiology (teleradiology) services across the United States

**Principal Engineer**

Designed and developed standard framework components for an SOA-based middle tier of a high-performance, real-time order processing system for teleradiology orders. Provided leadership to a team of developers in best practices and object and SOA design. C#, SQL Server, WCF, .NET Web Services.

- Designed and developed Data Access tier for mediating transacted arbitrary sets of data access requests to SQL Server, providing centralized configuration of ActiveRecord business objects across arbitrary data catalogs and servers, lowering cost of managing database passwords and connection strings.
- Designed standard interface for generalized message routing, using WCF, to allow flexible workflow management and centralized configuration of service endpoints.
- Designed and developed generalized rules engine framework for managing disparate sets of business rule algorithms to assign work, improving the performance of the assignment decision processing.
- Developed multi-threaded synchronization service to manage information between legacy application and new technology, allowing for staged implementation of new technology to increase stability of existing systems during enhancement.
- Worked with various Software Engineering peers to create best development practices as the business matured from startup to publicly held, to meet various FDA, SOX and HIPAA requirements.

**Fidelity Investments**

Boston, Massachusetts

Jan 2005-Apr 2007

**Principal Software Engineer**

Fidelity Brokerage Technology Company

Enhancing and improving the reliability and performance of a workflow and data aggregating smart-client application used by company representatives to provide investment recommendations to high net-worth customers. C#, Winforms, Oracle, .NET Web Services.

- Rewrote and enhanced application workflow engine, improving performance, reliability and maintainability.
- Found process improvements in multi-threaded Winform application to significantly improve the reliability and perceived performance of the application.
- Worked with senior architects and developers to identify best object implementations in non-object-oriented application layer. Provided guidance in new techniques to development team.

**Beth Israel Deaconess Medical Center**

Boston, Massachusetts

Jan 2003-Oct 2004

**Systems and Data Architect**

Academic and Research Computing

Designed and developed application systems architecture, including database structures and practices, using Microsoft .NET technologies, such as C#, ASP.NET and ADO.NET, utilizing Microsoft's Patterns and Practices Application Blocks, to support Research Administration application systems. Developed applications using this architecture demonstrating applications' reliability, maintainability, rapid development and reduced development and support costs. C#, ADO.NET, ASP.NET, SQL Server, MS Application Blocks

- Developed portion of real-world internal billing system demonstrating architecture in a team development environment. Found 1) Rapid Application Development; 2) More reliable systems; 3) More reusable components; 4) Standardized declaration of various business rules, including authentication and authorization and application flow; 5) Simpler application maintenance; 6) Better ability to share business logic among multiple presentation layers; 7) Reduced development cost; 8) Reduced support cost and 9) Reduced maintenance cost.
- Created code generator to build basic business objects for database access in architecture, reducing application development time by 50%.
- Wrote application architecture documentation, for presentation to other groups at the Medical Center.
- Wrote development guidelines documentation for new developers, to quickly train them in our standards, reducing training time.
- Trained and mentored developers in new technologies and development methodologies, such as object-oriented design and development using .NET.
- Designed database to support Research Grant Management and Administration.

**Fidelity Investments**

Boston, Massachusetts

May 1994- Oct 2002

**Principal Software Engineer**

1999-2002

Emerging Technology Application Development

Evaluated technologies and products through real-world, production-grade projects to document and recommend technology for enterprise deployment. C#, VB.NET, ADO.NET, BizTalk, MSMQ

- Created Best Practices Strategy for Microsoft BizTalk Server 2004 applications, optimizing future development projects.
- Implemented BizTalk Server application to replace custom system for inserting diverse documents into email response workflow system, demonstrating efficacy of tool in production application.
- Implemented problem-free, batch-fed mailing system, with user-defined templates and rules-based error processing, allowing the non-technical business user to define processing and messages, and requiring substantially less technical support.
- Redesigned and rewrote survey authoring application, allowing users to create better surveys.
- Designed and wrote improved survey distribution agent, with user-definable messages, schedules and batching, allowing the users to control volumes without technical support assistance.
- Enhanced Microsoft .NET Application Block for Data Access version 1 and adapted for ODBC and OLEDB support, providing standardized and optimized classes for various development projects.

**Principal Software Engineer**

1997-1999

**Voice Systems Development**

Managed, supported and enhanced IVR application used by correspondent customer's customers.

- Enhanced server software communicating between IBM Direct Talk VRU and legacy database systems. Improved monitoring alert system to reduce problem notification from three per day to less than two per week.
- Provided program management between internal business unit (NFCS) and back-end data providers.
- Led team of four developers located in Dublin, Ireland enhancing a phone-based trading and quote application.

**Principal Software Engineer**

1996-1997

**Corporate Systems**

Developed and supported reporting application used by correspondent business unit for reporting activity to correspondent customers.

**Senior Systems Programmer**

1994-1996

**FICIS and Jamaica Development Division**

- Managed relationships between Systems Company and business unit development and QA teams.

**General Consulting and Contracting**

Boston, Massachusetts

1993-1994

Provided consulting and contracting services to various small businesses.

**Interactive Systems, Inc.**

Billerica, Massachusetts

1990-1993

**Project Manager, Consulting Services**

Managed software conversion projects.

Developed system classes to support software conversions and conversion tools.

**Accudata, Inc.**

Canton, Massachusetts

1981-1990

**Staff Consultant and Project Manager**

Responsible for all phases of project development, from pre-sale consulting through systems design, development and customer support.

**COMMUNITY INVOLVEMENT**

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**Town of Natick**

- Town Meeting Member, April 2003-Present
- Finance Committee Member, May 2005-July 2013
- Revenue Enhancement Task Force Vice Chair, July 2008-July 2009
- Charter and By-law Review Committee Vice Chair, July 2008-June 2010, and July 2016-May 2017
- Natick Friends of the 4th
  - Parade Committee Member, November 2002-July 2004
  - Parade Marshall since 2002

**AWARDS RECEIVED**

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**Fidelity Investments**

- Presidents Award for exceptional service to the firm by the President of FISC.
- You've Earned It Awards for performing above and beyond by my direct manager.
- Peer Point Awards from coworkers and peers.

**PUBLICATIONS**

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**Beth Israel Deaconess Medical Center****Architectural Overview**

Overview of systems architecture for management review.

**Development Guidelines**

Development standards and guidelines for developers using the standard architecture.

**Fidelity Investments****“Do You Have a Sense of <STYLE>”, UsableBits**

Article on using Cascading Style Sheets (CSS) in web development. UsableBits is a Fidelity Internal Publication from the Human Interface Design.

**“BizTalk Server: Development and Support”**

Documented Development and Production standards for projects using BizTalk Server.

**EDUCATION**

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**University of Massachusetts****Amherst, Massachusetts****Bachelors of Business Administration, Accounting**