
HOWARD BASH

►►► Software Engineer / Web Application Developer ◀◀◀

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Systems Analysis / Design
Technical Documentation
Implementation / Deployment

Custom Application Development
Database Design / Integration
Project Management
C / C++ (Expert)

SharePoint Administration
Visual Basic (Expert) / VBScript
.NET Framework / Java /
JavaScript / XML/XSL

SUMMARY

SharePoint Admin/Developer: Installation and Configuration of SharePoint (**MOSS2007**), Excel Services, Report Server. Administration and user support functions. Design and build custom software.

Accomplished Senior Software Developer: Over 30 years of software engineering experience, including 10 years of custom application development for the Finance Industry (Nomura Securities International, Merrill Lynch, New York Life)

Highly Skilled Programmer: Create scalable and easily maintainable solutions. Proven excellence in coding and debugging. Ability to write comprehensive proposals, specifications, and requirements documentation.

Hands-On Leader: Experience defining requirements and managing total life cycle software-development projects. Build effective, motivated, and efficient project teams. Mentor staff on latest development tools and technologies.

Highly Effective Communicator: Quick problem solver, with ability to interface and build rapport with clients/end-users, technical specialists, and management at any level. Understand how to read people often expediting team member problem solutions.

Client-Focused: Highly skilled communicator. Analyze client requirements, and ascertains needs beyond the requests. Rapidly assimilate new technologies and methodologies to implement customized, state-of-the-art solutions.

Languages/Software: Visual C/C++, C#, Java, Visual Basic 3.0-6.0 Enterprise, VB.NET, ADO, ADO.NET, ASP.NET, VSTO, JavaScript, LISP, Assorted Assemblers (Intel, Motorola, Proprietary) , VB3, VB4, VB5, VB6, Multithreading, VB.NET 2005, VB.NET 2008, WinForms, WebForms, Web Services (abstracted data layer connecting to WinForms and WebForms), ASP (classic), ASP.NET, AJAX, SSIS, SSRS , XAML, SILVERLIGHT, WPF, WCF, Microsoft Expression Blend, LINQ (Anonymous Delegates, Lambda Expressions, Extension Methods), VBA, C#, Microsoft Macro Assembler, ASP.NET, Classic ASP, HTML, DHTML, Golden Common Lisp, Prolog, MS SQL Server, Oracle, Sybase, MS DTS, Oracle (through 11g), C/C++, XML/XSL, JavaScript, XML Spy, Erwin/Erx, Java, Java Applets, Java Servlets, COM, COM++, RDO, DAO, ADO, ADOEXT, Windows NT, Windows XP, IIS, Fire Fox, PVSC, Microsoft Source Safe, SVN, FoxPro, Concentric Software Relational Report Writer, Crystal Reports, Business Objects, Rational Rose UML, Nu Mega Soft Ice, Microsoft Visual Studio Team Development, Microsoft Tools for Office Development, Assembly Language, Microsoft Visio, Microsoft Project, Regular Expressions, My SQL, RT Link, CX2 Assembler, Z80 Assembler, 80x86 Assembler, Pascal, Bliss, developer with hardware developers building low level software for testing and controlling processors, bus manipulations, IRQ handlers, INT handlers, and pc bios rewrites.

Databases: MS SQL Server, Data Transformation Services, Sybase SQL Server, Oracle Server, My SQL

Web: XML/XSL/XPATH (using MSXML), ASP, Java, Assorted Scripting, HTML, ASP.NET

PROFESSIONAL EXPERIENCE

TIME WARNER CORP

4/1/10-PRESENT

Senior Software Architect/Developer

- Designed and built as well as modified existing VB.NET (VS2008 Console Application) applications for Human Resources benefits system. This project involved reconciling current benefits processing with new HR offerings modifying existing system to support the new platform (MS SQL to Oracle) while maintaining backward compatibility with existing systems using Oracle 11g (Stored Procedures, Views, Queries, Packages).
- Authored several **VB.NET (VS2008 Console Applications)** applications used to parse Prudential and Fidelity provided fixed length and delimited files imports of parsed data into Oracle 11g databases. Built extraction layer connecting MS SQL data via MS Entity Framework within WCF Service Application to console application. Using WCF Service as DAL built WPF/Silverlight (XAML) desktop viewer for HR client benefits data including Microsoft Expression Blend for developing GUI.
- Ported parts of existing **MS SQL 2008** database for Human Resources department to Oracle (11g). Doing so involved authoring numerous Oracle views which enabled existing processes which expected a particular column data to obtain the same data from Oracle. Transformation and flattening data was required to allow existing processes to continue to function with minimal changes required.
- Designed and built several application report generators (**VS2008 with Office Excel 2003**) using **MS Office Automation** for reconciliation authored using **MS Excel and VB.NET** automation for employee reporting and data reconciliation purposes.
- Built multi-format viewer (**VS2008 Windows Application**) for reviewing Fidelity Benefits daily employee benefits extracts. This viewer parses fixed record and delimited record flat files as well as pointing directly at the Oracle Database and performing the appropriate select statements to populate the viewer and parse user specified transactions.

NOMURA SECURITIES, INTERNATIONAL

4/1/09 – 3/31/10

Microsoft Office 2007 Infrastructure Migration Manager & SharePoint Site Architecture

- Designed and Built **Microsoft Office SharePoint Server 2007 (MOSS2007) Server Farm** including administering this pre-production **SharePoint 2007 Portal**. Included in the farm can be found **SharePoint Server 2007, Excel Services, Index Services, two IIS Web Servers, and SQL Server 2005** for a total of a six machine server farm.
- Scheduled meetings across Americas Enterprise with company shareholders for analysis of their areas of responsibility decomposing business units and capturing most major processes which leverage **Microsoft Office** documents types.
- Using **Microsoft Office Migration Planning Manager** analyzed and documented all identifiable business process documents and associated software components (utilities, add-ins and critical internal and external code) using **Office Migration Planning Manager (OMPM)**.
- Scheduled and conducted sessions with these company shareholders of Nomura Americas business groups identifying software requiring test and potentially software updates (combination of new processes for **Office document handling**, porting changed software objects and making required component updates).
- Designed and built assorted **LDAP and Active Directory** reporting mechanisms using Excel Automation for report presentation using ADO for querying the enterprise. One report was used to represent that current set of business policies for users with respect to **Microsoft Office Communicator and Chinese Firewalls** to maintain SEC required separation of employee inter-department communications. Reports for group memberships and company email retention policy resolution also implemented using a mix of MS Office Automation and ADO LDAP interface.

Senior Software Architect/Developer

- Visual Studio 2008 (VB.NET) coded a system which retrieves employee information from an Oracle HR database and sends the Human Resource Benefits data to these accounts at Fidelity using Oracle queries and ADO to perform the required extractions.
- Authored suite of visual tools including viewers and parsers for reporting the various data transforms as well as viewing transactional data using Excel Automation (using VB.NET).
- Built Critical Utility for management functions on the HR data sent to Fidelity. A Windows (Win Form) Desktop data viewer that drills down across multiple forms/grid/views showing fixed data in a more human friendly readable form.
- Authored Oracle 11g stored procedures for hr transaction processing in the benefits, tax and stock areas. Mostly used Embarcadero Rapid SQL for developing the SQL that eventually would be housed in VB.NET console and windows applications.
- In VB.NET, authored code which conformed to COBOL Picture clauses formatting including packing ascii data to EBCDIC and identifying the appropriate processing using regular expression pattern matching.
- Conversion of desktop data viewer to web control used on Benefits page part of Infragistics heavy Web (WebForm) project using ASP.NET for section of Corporate Benefits Intranet Portal handling domestic and international benefits for entire Time Warner employee (past and present) population.

NOMURA SECURITIES, INTERNATIONAL**1/1/05–12/31/06****Senior Software Architect/Developer**

- Writer of a suite (Win Form) of applications in Visual Basic to support the parsing into SQL Server database tables several applications along with triggers that initiate these parses, including Microsoft DTS to handle manipulation of some of the larger datasets. Implemented Watch Dog timers to provide early warning of potential production down scenarios.
- Built and modified applications, components, and packages providing range of Securities and Pricing data for daily Business Decisions using VB6,VBA, and Excel.
- Automation, DTS Automation for updating middleware component connecting to latest Sybase ODBC driver, improving error handling and logging, and general application stability.
- Designed MS DTS packages for daily data processing and analysis of result sets to correct data entry errors and perform rolling data function.
- Implemented streaming Reuters Streaming Market Data (Multithreading) for Foreign Exchange rates using Reuters Development SDK. Rewrote an existing OCX for capturing this data in extremely tight time frame which provided much greater flexibility for current and future applications.
- Business Analysis and remediation of existing Haircut applications for the Regulatory Group. Tasks including rewriting body of code and Report Specs for Business Objects and Crystal Report Design Teams.

I-DEAL LLC**1/1/04–12/31/05****Senior Software Developer**

- Built custom applications/components with C/C++, XML/XSL, C#, JavaScript and ASP for multi layered Municipal Bonds Auction Web Applications (WebForm).
- Wrote complex stored procedures to calculate sales credits tying the results to a data layer component written in C/C++ using the SQL data as XML strings for subsequent rendering via XSL and JavaScript.

HARTZ MOUNTAIN INDUSTRIES**1/1/02–12/31/04**

Senior Software Developer

Support the Trading Department and Real Estate Company. Configure all financial software and install PC/network systems. Collaborated with trading and analytics leadership to develop software requirements

- Built custom applications to facilitate monitoring business strategies and accessing the Bloomberg API for real-time and historical information retrieval and analysis. (Utilized Excel VBA, SQL Server, VB, VB.NET, ADO, and ADO.NET, WinForms).
- Developed a database to catalogue and monitor e-mail messages (with attachments). Designed and built SQL Server data repository for an E-mail Mining Project using the Outlook Object Model, VB, and VB.Net.

MERRILL LYNCH 1/1/01–12/31/02

Technical Project Manager

- Managed team of developers. Identified requirements for and delivered a database architecture to handle numerous combinations of valid reports with differing user-specific parameters against Oracle database.
- Utilized VB, XML/XSL, and SQL Server for metadata, and delivered a Crystal Enterprise Web-based reporting solution (WebForm).

ZURICH SCUDDER KEMPER 1/1/00–12/13/01

Senior Software Consultant

- Interviewed high-level brokerage personnel to identify requirements for a Global Voter Administration tool.
- Wrote Database Application to connect with Sybase SQL and WebForms to implement Global Voting System over internet.
- Redesigned Sybase voting schema and wrote numerous stored procedures, eliminating many tables and boosting overall system performance.

NEW YORK LIFE, INC 1/1/96–12/31/00

Senior Software Engineer

- Coded and debugged a large suite of financial products used for displaying and reporting (VB, C/C++, and COM, WinForms). Wrote several Web applications in HTML, XML, Scripting, WebForms, and Java.
- Built several proof-of-concept development projects using Java applets and servlets sending streaming legacy data back to a browser incorporating Java servlet-to-applet communication to supply data via WebForms.
- Mentored Senior Developers enhancing the overall team skill set

ROBBINS FLEISIG FORWARDING, INC 1/1/94–12/13/96

Senior Software Engineer

- Specified and implemented technology solutions for multi-network system. Setup and configured a Windows NT Server primary domain, and migrated a large user community from DOS to Windows.
- Wrote numerous stored procedures in MS SQL, and built WATCOM SQL version of system for offline model.

DIGITAL EQUIPMENT CORPORATION 1/1/93–12/13/94

Multimedia Engineer

- Developed and coded a multimedia pinball game for use in the exhibition of a color Postscript printer at assorted expos and conferences.
- Coded C programming of kinematics functions and graphics, designed and implemented Serial Messaging, and wrote Interface for postscript image capture and game-score printer server.

- Interacted with Philip CD Systems Engineers regarding implementing kinematics for pinball gaming development.

DSSI Software Engineer **1/1/92 – 12/31/93**
Software Engineer

- Developed and coded a network resource management tool using C/C++, Microsoft Macro Assembler, and Visual Basic interfacing with Windows, DOS, and a NOVELL network.
- Assisted this Novell Resource Management product's release to commercial market

EDO CORPORATION **1/1/87–12/31/92**
Computer Engineer

- Authored numerous test applications in assembly language and C/C++.
- Built custom data dictionary in FoxPro outputting assorted reports using Concentric Software Relational Report Writer.
- Developed and coded in Visual Basic and Microsoft Macro Assembler a signal processing application which replaced older technology which had been used by the Coast Guard for sonar display.
- Hands On Hardware/Software Development including work in custom video card implementation, solid state disk drives, signal processing and plasma panel waterfall of acoustic data deployed on United States Coast Guard Cutter Dallas Sea Trial.

ITT AVIONICS **1/1/84 –12/31/87**
Software Design Engineer

- Developed and implemented signal processing algorithms for radar systems. Coded improvements in signal acquisition by approximately 200% using a mix of C and assembly language
- Tasks included Custom Processor Software Development

NORDEN SYSTEMS **9/1/80–12/31/84**
System Analyst

- Analysis and specification writing for a Marine Corp. Dynamic Situation Display project
- Prototyped Fault Analysis using Golden Common Lisp

BRIDGEPORT ENGINEERING **9/1/80–12/31/87**
Faculty Member – Computer Science Department

- Planned and taught several semesters of undergraduate Computer Science courses.

EDUCATION

COLUMBIA UNIVERSITY – SCHOOL OF ENGINEERING
Computer Science (1972)

(CCNY) CITY COLLEGE OF NEW YORK – SCHOOL OF ENGINEERING
BS Degree – Computer Science (1980)