

*John H. Beagan, Jr.*

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*Experience*

- 8/91- **d/b/a John H. Beagan, Jr., Watertown, MA.**  
Develop custom database applications (Web and Windows) for diverse clients. Still serving the same clients for more than 15 years.  
**Please see projects section in this resume.**
- 7/90- 7/91 **Manager, Coopers & Lybrand, Boston, MA.**  
Technical leader in a group that specialized in developing personal computer/local area network database applications for clients; portable applications and ad hoc database reports for auditors. Also responsible for small project management, service development and marketing.  
  
From 1988-91, provided significant database support to help banks track deteriorating commercial real estate portfolios; assist auditors in reconciling an accounting system with securities in the vault; develop financial models for executives making bank acquisition decisions; help auditors collect and analyze data during the failure of Rhode Island credit unions.
- 1/90-6/90 **Supervisor, Coopers & Lybrand, Boston, MA.**  
Technical supervisor and senior developer for database applications group mentioned above.
- 6/88-12/89 **Senior, Coopers & Lybrand, Boston, MA.**  
Analyst/programmer in same group.
- 6/86-6/88 **Manager of Systems, Commonwealth of Massachusetts, Office for Children (OFC), Boston, MA.**  
Overall responsibility for agency's use of computers, planning, procurements, systems development, operations, and user training. Led agency's information technology growth from 12 to 70 personal computers/terminals. Selected and implemented a DEC Microvax local area network. Supervised two professional staff and two support staff.
- 3/85-5/86 **Analyst/Programmer, Commonwealth of Massachusetts, Office for Children, Boston, MA.**
- 6/82-2/85 **Community Representative, Commonwealth of Massachusetts, Office for Children, Wakefield, MA.**  
Community Organizer with responsibilities that included needs analysis of catchment area, proposal review, and volunteer recruitment and training.

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## Software

### **Web Applications Development:**

Primarily using the Microsoft family of products. In recent years: ASP.NET using Visual Studio (2008/05/03), SQL Server (2008/05 & 2000), HTML, CSS, JavaScript, XML, and Web Services. Previously ASP, VBScript and Microsoft Access.

### **Windows Applications Development:**

Microsoft Visual Studio 2008/05 (VB.NET) and SQL Server 2008/05. Before this, many applications were developed using Microsoft Visual FoxPro. Earliest experience includes other PC database software programs. Over the years, many applications took advantage of OLE Automation to leverage, e.g., Excel, Word, Outlook and Internet Explorer.

### **SQL Server Programming and Developing Reports:**

Applications always entail creating stored procedures, functions and, in 2008/05, .NET functions for transactions, queries and reporting. All reports developed using Microsoft's report writer in Visual Studio, often deployed in an intranet using the SQL Server Reporting Services environment.

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## Certification

### **Microsoft Certified Solution Developer (MCS D)**

Microsoft .NET (Web and Windows); SQL Server 2000 Enterprise Design and Implementation; Analyzing Requirements and Defining Microsoft .NET Solutions

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## Award

10/87      **Citation for Outstanding Performance.**  
One of two OFC state employees (out of 350) to receive this award.

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## Education

1/85-12/87      **Master of Business Administration.**  
University of Massachusetts, Boston, MA.  
Concentrations: Management Information Systems  
and Accounting/Finance.

9/80-6/82      **Master of Social Work.**  
Boston College, Chestnut Hill, MA.  
Major: Community Organization and Social Planning.

8/78-12/79      Catholic Foreign Mission Society of America (Maryknoll), Ossining, NY.

9/74-6/78      **Bachelor of Science.**  
Boston State College, Boston, MA. Public Service/Law Enforcement.

# Projects since 1991

In the projects listed below, except where noted, I was the sole developer responsible for requirements analysis, design, development, data conversion, testing, installation, documentation, technical support, and ongoing maintenance.

I will gladly furnish references upon request.

## Web Applications

### **National Provider of Child Care**

**Application:** Site provides ability to schedule childcare across the country.

**Software:** ASP.NET, HTML, JavaScript, CSS, SQL Server 2000

**September 2004 to Present**

Implemented version 2.0 of Web application used by customers to book childcare across the country. Not originally involved in 1.0, responsible for implementing a host of changes and new features per list of requirements.

Also, created a Web Service application to facility exchange of data between two business entities involved in this application.

### **Publisher of Books (Automotive Industry)**

**Application:** Access control for business-to-business sites.

**Software:** SQL Server 2000, ASP, VBScript, ADO, JavaScript, HTML, AuthentiX

**Server:** Windows

**September 2000 to Present**

Developed a web authentication and administration system for many business-to-business sites. AuthentiX, an add-on component to IIS, was used for authentication services to bypass a need for NT user accounts. The core of my charge was to develop an authentication system so each user would have only one account (user id and password) and could easily be identified and administered. There are more than two thousand users. The project also involved porting web sites and FTP access from Windows NT server to Windows 2000 Advanced Server with Active Directory.

### **New England Elderly Housing Association (NEEHA)**

<http://www.neeha.org/>

**Application:** Website supports non-profit housing professionals.

**Software:** Microsoft Access, ASP, VBScript, ADO, HTML, JavaScript, CSS

**October 2001 to Present**

NEEHA is a non-profit organization for professionals involved in housing the elderly. Asked to build an information-sharing website. Along with typical brochure pieces, site allows members to post various notices (job openings, events, and bulletin board items) and access its membership database. Certain options are available to the public, membership, or administrators.

# Windows Applications

## **International Broker of Electronics**

**Application:** Facilitates the purchase and sale of electronic components.

**Software:** Microsoft Visual Studio 2005, SQL Server 2005

### **1992 to Present**

Company is an international broker of semiconductors and other electronics. First hired in 1992 to convert their Paradox database application, SemiSearch, into FoxPro for DOS. Since then added many features to SemiSearch and rewrote it using Visual FoxPro in 1996.

In 2007, after reviewing the old application with sales, purchasing and accounting staff, redeveloped the system again using VB.NET (2.0) and SQL Server 2005.

The sales force uses SemiSearch all day long while brokering deals on the phone. It supports the sales process by collecting information on customer requirements and vendor availabilities. Currently, SemiSearch has a company table of over 20,000 manufacturers, vendors, and customers and an inventory table containing tens of million parts for sale.

## **Manufacturer of Cymbals**

**Software:** Microsoft Visual FoxPro

### **September 2003 to 2007**

This renowned manufacturer of cymbals needed a FoxPro programmer to assume responsibility for maintaining a host of database applications, including enhancements to an accounting system written in FoxPro. These programs assisted many company functions, such as, order entry, electronic data interchange, shipping and management reporting.

## **Internet Company**

**Software:** FoxPro for Windows, Visual FoxPro

### **April 1999 to November 2000**

Company provided a free change of address (COA) service. A mover only had to submit the names of magazine subscriptions, alumni associations, etc. and the company, with its extensive contact database, would notify these entities about an individual's change of address. Some insurance firms contracted with this company to offer COA to their customers, thereby helping to retain them when they moved.

When hired, this company already had a presence on the web and started a major project to revamp its site. The back office systems were written in FoxPro to handle COAs via mail and phone. The web site was created later and stored its data in SQL Server. I was brought in to maintain legacy FoxPro applications as well as build new ones. The FoxPro back office had to be enhanced to support the web business. Two of my assignments were:

(1) Collaborate with the website consultants and develop a daily system for importing the web data into the back office.

(2) Users of the website could order new magazine subscriptions and renew old ones. Develop another application to support the fulfillment process: electronically notifying fulfillment houses based on their requirements, e.g., email, fax, etc. and processing credit cards.

While there, the company was acquired by internet firm.

**Publisher of Books (Automotive Industry)**

**Application:** Customer Service

**Software:** Visual FoxPro

**1997 to 2006**

Company is mainly a publisher of automotive books for mechanics and enthusiasts. An automotive manufacturer contracted with company to develop and support an interactive repair manual for mechanics at dealerships. The dealerships received regular updates on CD and provided web access to more current data. My role was to develop the Customer Service application in Visual FoxPro. This system facilitated managing software subscriptions, shipping updates, providing technical support, and reporting to management.

**Publisher of Books (Automotive Industry)**

**Application:** Management Reporting, Contact Manager

**Software:** FoxPro for DOS, FoxPro for Windows, Visual FoxPro

**Server:** Novell

**Desktop:** Windows and MAC

**1993 to Present** (Windows only)

Working with the president, developed a management reporting system. This system augments the order entry system: tracks book projects from inception to printing; facilitates the development of sales projections; and routinely downloads sales from the order entry system to compare to projections. The contact manager, among other things, aids in the process of sending product announcements to customers.

**Teaching Hospital in Boston  
Department of Medicine**

**Application:** Internship applicants program; lists of staff and alumni; and reporting on salaries and funding sources.

**Software:** FoxPro for DOS, FoxPro for Windows, Visual FoxPro  
**1992 to 2001**

Developed several applications at the request of various administrators. The staff application contained detailed information on the 1000+ physicians working in the Department of Medicine and was designed mainly to help produce various lists and statistics. The alumni application was similar to the staff application but geared toward announcing events at the hospital.

The salary application imported mainframe data, allowed the business manager to make various adjustments and add clarifying information, and facilitated the creation of monthly reports in Microsoft Excel.

The internship program facilitated the application process and scheduling of interviews until replaced by a third party Web application.

**International Public Accounting Firm**

**Software:** FoxPro for Windows and Visual FoxPro  
**June 1995 to December 1996**

During this period, the CPA firm retained me for two projects. The first was for a mutual fund trust company. Per their specifications, developed reports calculating internal rates of return using imported data.

In the second, developed a lengthy annual survey application to be distributed by an investment company association to its membership. At this time, Visual FoxPro with its class and inheritance capabilities was ideal since many question types were very similar.

**Regional Cable Television Company**

**Application:** Calculated sales commissions based on area penetration.  
**Software:** Paradox (Database Application Software)  
**Summer 1991**

Staff entered data into this PC database application on new and renewed household cable subscriptions. Then it would calculate commissions using a scale based on area penetration. For instance, a sales person was compensated more for a new sale in an area with many customers, than a virgin territory with no one signed up for cable.

A few years later, this company was acquired by a larger cable company.