

Software Developer/ Computer Consultant/ Analyst

Objective

To actively demonstrate and refine my abilities as a software developer/analyst and to constantly upgrade my capabilities to adapt to changes in my field as it pertains to my employer.

Qualification Highlights

- Advanced experience in object-oriented programming and design.
- Developing applications utilizing MVVM or MVC design methodologies using WPF, React, Angular using full stack in Windows, Linux, Mobile apps and Web based technologies.
- WCF service creation and implementation experience.
- Restful API service creation and implementation experience.
- Strong skills in database development:, setup and implementation of databases and stored procedure/UDF/trigger scripting of relational databases.
- Entity Framework and other ORM experience in creating strongly typed and loosely coupled frameworks and custom editing of T4 templates for code creation.
- Separation of concerns best practices and multi-layer architectures experience.
- Hands on practice in the design and analysis for several custom automation applications for such tasks as accounting, service management, internet web application, mobile device and organizational management.
- Best practice for code testing using testing harnesses.
- Adhere to clear, clean and well documented coding practices.
- Knowledgeable in computer repair, troubleshooting and upgrading.

Software Development Knowledge

Languages: C#/C++, Delphi, VB, Java, Kotlin, Python, F#, Assembler, Kylix.

Scripting: JavaScript, JSON, VBScript, HTML, CSS, XML, XSLT, XAML.

Frameworks and Technologies::: .NET Framework up to current version - including Mobile & CompactFramework; WCF service and ASP .NET Web Service; WebAPI, WPF, PRISM, MVVM Lite, Calburn micro; Entity Framework, OpenAccess, LINQ (SQL, Entity, XML); WWF, SSDT

Database: SQL Server (to current version), Access, Oracle, MySQL, SQLite, MySQL

Development Environments: Microsoft Visual Studio, Visual Studio Code, PyCharm, Android Studio, Borland Dev Studio, C++ Builder, J Builder, Eclipse, Adobe Master Collection.

Some Development Tools I have experience with: Postman, Fiddler, LINQPad, Altova Mission Kit, Oxygen XML Editor, XML Notepad, RegexBuddy;, TFS, Git; SourceTree, Github; EF Profiler, SS Profiler, Developer Express CodeRush, CodeSmith, Refactor, Resharper, Postsharp, Tangible T4;

NUint, MSTest, JustMock, MockIt, Moq, RhinoMocks, DotCover; Net Advantage.NET, Telerik Controls, Telerik Kendo, SQL Manager Resco Mobile Controls; Fiddler, Crystal Reports, SSRS, Report Builder, QuickReports.

Platforms: Windows NT/2000/XP/Vista/7/8/Server 2003/2008, Windows Mobile, Linux, DOS, UNIX

Environments: Windows Form, WPF, Web Form, Mobile apps.

Other Application Software used: Microsoft Office Suite, Visio, Install Shield, Demo Shield, WISE Installer, Adobe Acrobat

Employment History

Media-Track Software Solutions, Brantford, Ontario

2006 -2017

Both In-house and as an Independent Software Developer

Media-Track is a major player in the development of offsite data archiving and retrieval solutions. The application suite currently distributed by Media-Track is geared toward large scale off-site data storage vendors such as Recall and Iron Mountain. I had development duties here over my employment, which included but is not limited to:

- Involved with the porting and creation of numerous applications using VS2013 and entity framework 6. These applications were needed for communication with POCO classes to access a number of database tables and views that were utilized by a MVVM application (60%). The frontend of the applications was done using WPF and could be used either through windows or the web. Telerik controls were used extensively for the frontend apps. The communication between the POCO's and the frontend was done primarily by the creation of WCF services.
- Other duties were in the creation of an MVC4 application to interact and supplement their storage and retrieval application suite. This also used RESTful services to access the POCO framework for the database.
- Development of a mobile PC application to be utilized by a Motorola MC50 or MC70 Pocket PC, with built-in scanner capabilities. The MC50/MC70 is used by the courier, who is responsible for delivering and picking up the client content packages. This was interfaced with the technologies mentioned above to facilitate real time interaction with those and other aspects of the companies' application frameworks.
- Conversion of certain legacy applications from CAVisual Object to C#/.NET Framework apps using Visual Studio.
- Conversion of a large databases, porting data from Sybase to SQL Server and parsing and importing data
- Creating reports for the applications using Crystal Reports and SSRS.
- Customer service for the vendors who were in use of the applications.
- Client/Server layer creation and maintenance.

Independent Developer, Brantford, Ontario

2004 to 2006

Analyst/Developer

Working for local businesses in a by project capacity. The development work primarily involved the use of Visual Studio and the .NET Framework, SQL Server, Interbase and Crystal Reports. The task included the update of legacy applications and creation of new internet applications to the newer technologies mentioned above, along with some code enhancement and code repair work.

Chronologix Software, Richmond Hill, Ontario

2001 to 2003

Intermediate Software/Database Developer

Creator of a client/server suite of applications targeted towards the Hotel/Resort management industry with a customer base that was worldwide. The applications suite consisted of hotel and resort booking (both on-line and on site), Point of Sales applications, Accounting and Staffing, Hotel/Resort Activity Reservation), along with numerous other custom modules available to specific hotel and/or resort chains. Most of the suite was developed using Delphi and Interbase/Oracle for the database.

- Working on updates for the companies' hotel reservation management software suite in both Delphi and the newer version that was being moved to C#. Some C++ work in the creation and maintenance of truck fleet satellite GPS server.
- I was one of the developers in the area of the Activity Reservation portion of the SpaSoft application suite
- Other duties included debugging, code maintenance, code enhancement (along with the creation of new custom modules)
- Report creation (utilizing both Crystal Reports and ReportBuilder)
- Database schema changes and stored procedure creation / testing for the backend Interbase database.

Maddocks Systems, Langley, B.C.

1996 to 2000

Junior Software/Database Developer

Maddocks Systems was the creator and distributor of a client/server software called TruckMate for Windows, which is a suite of applications tailored for the trucking industry. The TruckMate suite consisted of modules that were used for truck dispatching, order entry, rating, tracking, invoicing, maintenance, accounting, and management reporting.

- Interfacing with backend mileage servers for fuel tax determination and mileage tracking.
- Some C++ work in the creation and maintenance of truck fleet satellite GPS server.
- EDI data parsing for maintaining truckload information transfer.
- Coding updates to dispatch serve for allocation and reallocations of resources using Delphi.
- Crystal Report creation in numerous areas of the software application suite.

Independent Developer, Brantford, Ontario

1991 to 1996

Analyst/Developer

I was involved in the analysis and development of a number of applications used by different businesses and organizations across Ontario. These include but are not limited to;

A County Fair application suite

A suite of applications that I created for the control and judging of county fairs' events and competitions using Delphi and Interbase. . I developed, marketed and supported this application for various fair organizations across Ontario, other provinces and in the United States. That could be networked to all areas of the fair. With apps included for:

- creating printable entry tags
- issuing of prizes and awards and printing checks
- More than 100 reports including entry details and participant mail merger mailings

Lawn care/Service maintenance application

A Lawn care Services application that was sold to numerous businesses in Southern Ontario. That featured modules for:

- Client servicing and billing
- Company inventory
- Fleet maintenance and employee timesheet scheduling
- Reports for equipment maintenance
- Customer mail merge mailings (including numerous customer mailings, brochures, notices, invoices, billing statements, etc.)
- tracking and routing of the vehicles on a visual mapping system