

JAY A. JOLICOEUR

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EDUCATION:

Holy Cross College, Worcester, MA - Bachelor of Arts in Fine Arts

Member: Microsoft Developer Network, Apple Mac Developer and iOS Developer.

My objective is to use my technological, analytical, design, and management experience to assist a company with the fulfillment of their project requirements.

My skills can be put to use best by intimate involvement in project design, requirements specifications, tool selection and application development. I have the ability to assimilate new technology quickly and associate that with past experiences to provide the best solutions.

The multitude of program languages, operating systems, and client environments I have been involved will assist me in leading a team to provide the best solution for a company's needs.

TECHNICAL SUMMARY:

Hardware Platforms

Intel Based PCs and servers; Apple Mac

Languages

C/C++/C#

Delphi

Web Design

PHP

Visual Basic

Includes Borland Delphi 7.0 and Embarcadero RAD Studio XE

Includes HTML5, CSS3, JavaScript, VBScript, ActiveX, Microsoft IIS, LAMP, Python, ASP.NET, WebForms, MVC

Data Bases & Tools

Oracle 10g, Informix, MS SQL Server, MySQL

Development Environments

Visual Studio 2012, Embarcadero RAD Studio XE, Komodo Edit.

Operating Systems/Environments

Unix/Linux Including installation, administration and tuning.

Mac OSX, Microsoft Operating Systems

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CONSULTING HISTORY:

SWITCHBACK, INC., Holden, MA

May 1983 - Present

- Custom software contractor and consultant. Providing project management, team leadership, and architecture development to meet client needs.
- Created several custom software packages for Accounting, Order Processing, Inventory, Production Control, and Warehousing. Time Clock software with barcoding, and Service Scheduling.
- Created a desktop management program called **SwitchSuite™** using Delphi and Visual C++. Includes complete email capability, calendar, events scheduler, and contact manager. Includes companion responsive web site written in PHP accessing a MySQL database.
- Developed Service Scheduling software for pest control companies. It maintains the schedules of services for technicians based on location, availability, and length of each service. Produces job tickets for billing with auto-update to Accounts Receivable and General Ledger. Maintains history of all services and disposition with retrieval by technician, salesperson, and customer. Generates sales, commission, history, and period comparison reports. Written for Unix and Windows.
- Created Document Management System. Includes desktop application module and web site to manage documents and images for projects, users and user-defined groups.

Technologies used: All the above listed under Technical Summary on an ongoing basis.

Component Assembly Systems, Inc., Pelham, NY

June 2001 – Present

- Principal Architect for a website to interface with a proprietary DBMS file management system for a project management application from C/F Data Systems.
- Architected the entire website including hardware selection and installation, operating system installation and support, design, and database structures.
- Developing a Remote Time Tracking application for laptops to capture employee time on construction sites. Interfaces with a web service written in PHP running on a Linux system that connects to a MySQL database.
- Developed a multi-datasource web service using C#.NET. This web services accesses MSSQL, mySQL, and proprietary DBMS data and uses a custom data dictionary that associates data from each data source. Also created a web site to process custom queries and present this data for company consumption.
- Working with BIM to develop Model Servers for the construction industry.

Technologies Used: Visual C/C++, C# .NET, Windows Server 2008 R2, Linux, HTML, ASP, PHP, VBScript, JavaScript, Microsoft IIS Administration, Visual Sourcesafe, Delphi, Visual Studio 2012, Team Foundation Server.

C/F Data Systems Inc., Weymouth, MA

March 1997 – September 1998, March 2010 - Present

- Architected a solution to connect SQL Database to mirror back office application data to provide access to data from a web environment. Includes an interface module to replace and enhance the standard file I-O in the application to access SQL tables instead of the application's proprietary DBMS.
- Created data interface DLL in Delphi to process data from the application module and update SQL tables.
- Created a "Data Dictionary" system to identify and process data from different databases.

Technologies used: C#, Delphi, PHP, MySQL, Apache, IIS, Windows 2008 Server, Ubuntu Linux, Visual Studio 2012, SQL Server 2012, VMWare.

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CONSULTING HISTORY:

Conservation Services Group, Westborough, MA

April 2004 – March 2010

- Maintained 3 Linux servers – 2 web servers with Cold Fusion, Tomcat, Apache, PHP and SSL Certificates, one Data server for mySQL and Oracle. Wrote hardware specifications, installed operating systems, installed Apache, PHP, mySQL and other software. Designed web sites and web services. Includes secure credit card transactions.
- Supported and developed several Delphi 7 applications used in the energy conservation industry. Includes working with users to develop specifications, technical documentation, development and implementation. Created new modules used in all development for user authentication, configurable application control on the database and dynamic generation of user interfaces from data specifications. Acted as team leader and project manager.
- Created versions of the company's Core application that ran stand-alone untethered from the main Oracle database on laptops. One version accessed a mySQL database and the other accessed an Oracle XE database.
- Created database schemas, and tables in Oracle 9i and 10g.
- Developed web interface to Oracle database used by the Delphi applications from an Apache server on Linux. Site created using HTML, PHP, CSS, and JavaScript.
- Created Perl scripts to retrieve faxed documents from web based fax service and import into a Document Management System created by Switchback, Inc.

Technologies Used: Windows 2000/XP, Delphi 7, C# .NET, Linux, HTML, PHP, JavaScript, Apache, Oracle 9i, Oracle 10g, MySQL.

Cendant Internet Engineering, Cambridge, MA

June 2000 – May 2001

- Part of a team contracted to redesign and modernize several of Cendant's sites, including [Move.com](#), [Howard Johnson](#), [Days Inn](#), and [Century 21](#). Included supplying enhanced web site architectures and back-end solutions based upon a Windows 2000 solution using Microsoft Transaction Server, Oracle 8 and Active Server Pages.
- Helped redesign and modernize Century 21's web sites and create several new business web requirements. Includes converting Oracle stored procedures to MS/SQL stored procedures, optimizing the data base, converting JSP and proprietary components.
- Created several multi-threaded ActiveX components using Visual C++ and incorporating COM and ATL. These components performed such tasks as interfacing the web sites with Mapquest to display property and office map locations; performing property radius searches using latitude/longitude coordinates. Created C++ programs to retrieve latitude/longitude coordinates from Mapquest for property radius searches; generate email aliases from an Oracle database and FTP to Unix system for Sendmail.

Technologies used include: HTML, ASP, Oracle, Sun, JavaScript, VBScript, Perl, MSSQL.

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CONSULTING HISTORY:

TRI-STAR PLASTICS CORP., Shrewsbury, MA

June 1984 – June 2000

- Created applications running over a client/server environment including Windows workstations with Linux server. Wrote client software using Delphi 5.0 and Visual C++ and server applications using AcuCorp's AcuCOBOL, Linux bash shell scripting, and GNU C.
- Created Estimating module using Delphi 4.0 to interface to MS SQL Sever and Access data in applications from Scala Systems.
- Supported and maintained a network consisting of 40+ users in 3 states.
- Setup company on the Internet. Installed TCP/IP, setup Domain Name, Class C IP Addresses, Domain name service, and World Wide Web server. Also created initial web site.
- Wrote a complete suite of accounting and business applications used by the company from 1984 thru 2002. These include AR, AP, GL, Order Processing, Purchase Order, and Plastics Materials Inventory. This unique inventory system allows full sized material such as sheets and rods to be cut and partial pieces to be put back into inventory using the materials' dimensions as the tracking mechanism. Merged the customer information with Informix tables in On-Contact contact management software to form a common company data base.

Technologies used: Delphi, Visual C/C++, IBM AIX, Windows, Informix, HTML, ASP, JavaScript.

November 1994 - September 1995

IBM CORPORATION/STOP & SHOP, Quincy, MA

- Assisted with migration of store support environment from Wang VS to RS6000 AIX 3.2.5. Included creating Unix Shell maintenance scripts and setup for the AIX environments and assisted with application conversion from Wang COBOL to Microfocus COBOL.

Technologies used: COBOL, C, IBM AIX, TCP Sockets.

October 1993 - December 1993

DUN & BRADSTREET SOFTWARE, Framingham, MA

- Supported the migration of Millennium Fixed Assets & Capital Planning software and data from IBM mainframe environment to Unix platforms (HP/UX, DG/UX) by training developers on Unix environment and developed Unix shell scripts to replace IBM JCL for batch processing.

Technologies used: COBOL, HP/UX, IBM MVS, Windows 3.11.

AGENCY MANAGEMENT SERVICES, Norwell, MA

February 1992 - June 1994

- Principle designer and developer for conversion of DOS Billing modules to the Windows environment, using a combination of Microsoft C, and Visual Basic.
- Created 'C' routines to provide an interface between the btrieve file server, the Visual Basic user interface, and the Microfocus COBOL DLL. Also created Visual Basic custom controls.

Technologies used: Visual Basic, Visual C/C++, COBOL, Windows NT/3.11, Dbase.