

BRENDAN WOOD

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SUMMARY

Computer Science Teacher; 6 years of experience creating and delivering computer related courses at the college level and to continuing education students.

Senior Programmer Analyst/Team Lead; proven senior level experience in Microsoft .net back-end web application development, web services and database design/optimisation. My industry experience includes telecom, travel and transportation incentive programs, marketing CRM's, fashion retail ordering systems, and banking industry analysis tools.

- Independent, professional and able to work under minimal supervision.
- Proficient communicator in English and French, both spoken and written.
- Planned short term learning interests: Big data & IoT, Blockchain/Solidity, Docker with microservices, French language technical writing. A long-term interest of mine remains to obtain a PHD in my field.

TECHNICAL SKILLS

.Net

.Net Framework, C#, Linq
ASP.net, ADO.net
MVC & WebAPI
Telerik & Infragistics Controls
WCF & Web Services
Winforms
NUnit
MS Enterprise Library
AJAX Control Toolkit

Languages & Frameworks

Java, C++
PHP, Python
JavaScript, JQuery, AngularJS
XML, XSLT, XSD, XPath
HTML5, CSS3, Bootstrap
Unix BASH scripts

REST and SOAP Web service design with Jersey and Spring-Boot
Unity

Database Technologies

SQL
SQL Server, SSRS
Entity Framework
MySQL & MariaDB
Oracle with PL/SQL
SSIS
SQLite

Servers & O.S.

IIS
Apache, LAMP setup
Microsoft Azure
Microsoft Biztalk
Cisco iOS
Linux (Debian Based)

VMware (ESXi), VirtualBox
Windows Server 2016
Android OS / Android Studio

Version Control

Subversion (SVN)
TFS, GIT (GitHub/Bitbucket)

Issue Tracking

Jira, TFS, Bugzilla

Design & Analysis

Enterprise Architect
MS Project, Visio
UML

Methodologies

DMR P+
Agile, Scrum
Design Patterns
PHP PSR Recommendations
RUP, TDD

PROFESSIONAL EXPERIENCE

CHAMPLAIN REGIONAL COLLEGE, ST-LAMBERT, St. Lambert, Québec

August 2017 – Present

Computer Science Teacher

I teach courses offered by the college within the Computer Science (420) department which lead to collegiate diploma, a.k.a. a DEC. I deliver a diverse offering of courses and I am always eager to teach new unfamiliar subjects. I have also taught part-time at continuing education for isolated courses such as Python (as part of a new virtual reality program). Along with the theoretical component of the courses, I highly value engaging students in lab environments.

- Create course content such as slides, labs and activities.
- Develop engaging and interesting quizzes, tests and exams, as well as the accompanying rubrics for detailed evaluations.
- When needed, solicit feedback from students and actively adjust course content based on feedback.
- Meet with other department members for regular department meetings and idea exchanges.

Courses: IT Fundamentals, Networking, C#/MVC, Game Development with Unity, JAVA 1 & 2, Python Programming and Algorithms, Operating Systems/Linux, Security Topics, QM/Statistics

CONCORDIA UNIVERSITY, Montréal, Québec

January 2014 – Present

Instructor

I am a part-time faculty member of the Computer Institute of the Centre for Continuing Education. I teach web programming and various software development courses on a contractual basis. The courses I teach are components of the Diploma of Web Programming and Certificate of PHP/MySQL Applications Development. Occasionally, I teach computer science topics to exchange students from other countries such as France who come from a college level engineering background.

- Prepare new course outline(s), lecture slides and handouts, exercises, projects and exams.
- Deliver courses in a lab environment, alternating theory and practice.
- Obtained excellent student evaluations on a consistent basis.
- Update course material on a regular basis to ensure it is up to date.
- Consulted with the center to help produce standardized outlines and course plans.

Courses: PHP Levels 1 & 2, Android Development, Op. Systems, Java, Java Web Services.

CENTRE CANADIEN D'ARCHITECTURE, Montréal, Québec

September 2016 – August 2017

Senior Programmer-Analyst

I worked on several projects related to developing internal tools for managing museum exhibits. Our highest visibility project involved making a collaborative platform that allows users to manage assets for art exhibits. The front-end of the project was a modern single page application (SPA) using AngularJS/MVC. The back-end with Web Api and Entity Framework wrapped in a repository design pattern.

- Designed complex stored procedures and SSRS reports to integrate seamlessly in web applications.
- User-facing role; took ownership of issues and coordinated fixes with business analysts and users.
- Prepared and deployed Agile application releases.

Technologies: .net 4, C#, SSRS, AngularJS, MVC 5, SQL Server, TFS

BELL CANADA, Montréal, Québec
Senior Programmer-Analyst (Consultant)

January 2015 – September 2016

This is a consulting role involving 40% customer facing business analysis and 60% application development. Primary responsibility was to replace legacy applications with modern SPA apps and create mechanisms to synchronize data between them using SSIS. Focused on an application used by Bell to control business processes such as channel, package and service code management requests. Developed the front end using AngularJS, MVC, and JQuery. The backend primarily was coded using nHibernate with a code-first design.

- Design complex stored procedures and SSRS reports to integrate seamlessly in web applications.
- Constructed SSIS ETL packages to synchronize data between Oracle and SQL Server based on complex business rules.
- Prepared and deployed Agile application releases.

Technologies: .net 4.5, C#, MVC, Web API, LINQ, NHibernate, AngularJS, JQuery, SSIS, SSRS, SQL Server 2008 & 2012, Unity, Oracle 9/11/12, Subversion

RELIANCE-PROTECTRON (ADT), Montréal, Québec
Senior Programmer-Analyst (Consultant)

August 2014 – December 2014

Developed a new MVC/SSRS reporting platform which allows users to generate dynamic reports using report templates. Improved upon an existing ERP system.

- Wrote backend procedures to communicate with SSRS web services.
- Developed front end MVC components to display dynamic report requests.
- Coded new stored procedures to deliver needed static and reporting data.
- Wrote automated unit tests.

Technologies: .net 4.5, C#, SQL Server 2012, MVC 5, WCF, SSRS

SNC-LAVALIN, Montréal, Québec
Senior Programmer-Analyst

September 2013 – June 2014

I am a key player in the migration of SNC-Lavalin HR systems from Oracle EBS to the Workday human capital management system. Analyzed requirements from worldwide SNC-Lavalin divisions and worked within a demanding schedule to implement the new system. Wrote modules to process files on a schedule using a .net Windows service. Developed .net procedures to maintain Active Directory records. Developed Workday EIB's & CCB's. Used XSLT to reformat output data. Wrote automated unit tests.

Technologies: .net 4.0, C#, WCF Windows Services, Oracle 12, XML, XSLT, Workday 21/22

SOCIÉTÉ GÉNÉRALE, Montréal, Québec
Senior IT Specialist (Consultant)

April 2012 – August 2013

Delivered a high visibility project for the bank's compliance department, which aggregated large amounts of data into a manageable dashboard interface to satisfy Dodd-Frank regulatory requirements. Designed back-end (data structure, entities) & implemented business, data and web service layers in C#. Set up MS SQL database encryption, fine-tuned performance after implementation. Wrote windows services to consume large data files into the database using bulk copy technology. Built reports in SSRS and produced ad-hoc data extracts on demand using SQL.

Technologies: .net 4.5, C#, Silverlight, WCF Windows Services, SSRS, SQL Server 2008, XML.

AZUR GROUP, IATA Account, Montréal, Québec
Senior Programmer-Analyst

October 2011 – March 2012

Designed and implemented a robust BizTalk solution which interfaced IATA and over 80 banking systems via SWIFT messaging. Gathered requirements from business analysts and stakeholders in Switzerland and designed the systems using Agile sprints. Fully documented analysis results and test cases.

Technologies: .net 4.0, BizTalk, C#, WCF, SQL Server 2008.

FALTOUR , Longueuil, Québec <i>Programmer Analyst</i> Added features to a multi-tier MVC web based client-server system, which served as a document collaboration platform (faltour.com) for Real-estate agents. We implemented changes as a team using Agile based on functional specifications provided by the business. <i>Technologies: .net 3.5, C#, MVC 3, WCF, JQuery, SQL Server 2008, Bugzilla, NUnit.</i>	May 2011 – October 2011
GLM MARKETING , St. Lambert, Québec <i>IT Specialist & Manager</i> Managed the IT department, the department budget and procurement of computer hardware. Also managed several projects, including changes to the company CRM application, and most importantly completing PCI DSS compliance certification. <i>Technologies: .net 3.5 (web forms, win forms), C# + vb.net, ASP.net, Visual Studio 2008, SQL Server 2008, Cisco ASDM manager, Linux, Pure-FTP, NUnit, Jira, Microsoft Project, Visio.</i>	January 2010 – May 2011
IBM , Montréal, Québec Aldo Group <i>I.T. Specialist / .NET Software Application Developer</i>	January 2001 – January 2010 2005 – 2010
Air Canada <i>I.T. Specialist / COBOL Software Application Developer</i>	2001 – 2005
ISM , Air Canada (Aeroplan), Montréal, Québec <i>Programmer-Analyst – COBOL/DB2 Development</i>	May 1997 – January 2001
CANADIAN NATIONAL RAILWAY (CN) , Montréal, Québec <i>Junior Programmer (Internship) – Natural/DB2 Development</i>	January 1997 – April 1997

EDUCATION

MEng: Information Systems Security (MEng) Concordia University, Montréal, QC	In progress, Expected 2023
Graduate Diploma in Computer Science Concordia University, Montréal, QC • Cumulative GPA: 3.43	2018
BCom: Bachelor of Commerce, Major Management Information Systems John Molson School of Business, Montréal, QC • Graduation GPA: 3.3	2014
Computer Science Diploma (DEC) Champlain College, St. Lambert, Québec	1997

CERTIFICATIONS AND TRAINING

GPTK711 - Graduate Seminar in University Teaching for Engineering and Computer Science Concordia University, Montréal, QC	2016
DMR P+ Methodology DMR, Montréal, QC	1998