Eric Brunet

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SENIOR PROGRAMMER ANALYST & TECHNOLOGY INNOVATION SPECIALIST

I am highly skilled in web development and HTML5 mobile apps, cloud solutions, API, object-oriented analysis/design, database design, data modeling, client/server applications and data mining. I am a strong believer robust security, code reviews, source control, branching strategy, best practices, scalable clean code, lightning fast intuitive user interfaces, good documentation, good communication and top quality work.

HIGHLIGHTS OF QUALIFICATIONS

- 20+ years experience as a software developer.
- Promoted from Senior Programmer Analyst to Technology Innovation Specialist.
- In less than two years I became the prime developer on CMHC's most important business applications.
- Designed and build a development framework leveraging world class web technologies.
- Conceptualized, designed, built and marketed www.trendots.com from scratch.
- Designed and built a generic relational database web application mining tool used in a manufacturing environment in multiple factories across the world; it revolutionized the company!
- Designed and built a relational database web application used by Ford Canada for centralizing communication between all dealerships.
- Designed and built a relational database application used by community television stations across Canada for tracking and reporting broadcasting activities to the CRTC.
- Designed and built a Common Test Platform application used by Test Engineers.
- NATO Security clearance.

TECHNICAL SKILLS

Languages: AngularJS, Bootstrap, C#, WepApi, PHP, Yii, VB, C, C++, SQL, HTML, HTML5, DHTML, XML, ASP, JavaScript, JQuery, JQueryMobile, ExtJS, Java, CSS, ABAP, COBOL, CICS, Assembler, Stored Procedures, PowerShell.
Databases: MSSQL, MySQL, DB2, Oracle, Informix, LDAP, Access.
Platforms: AWS, Azure, Windows, iOS, Linux, Unix, Ubuntu, Red Hat
Tools: .NET, TFS, SharePoint, Office (365), Dynamics, Photoshop, CorelDraw, Git, VSS, SAP, HighCharts, Infragistics, MediaWiki, GoogleAPI, AdWord, AdSense, Cordova, PhoneGap.

PROFESSIONAL EXPERIENCE

CMHC   2010 – Present

Innovate, proof of concept, exploratory research, design, build, document and support a suite of applications used by internal and external clients.

- A majority of IT was outsourced and I was retained in a new role called "Technology Innovation Specialist". Being part of a huge digital transformation project my new role allows me to master the art of the possible by analyzing market trends for opportunities while facilitating and engaging the business to think outside the box. Multi tasking my way through a constant stream of incoming innovations in a fail fast environment; I get to deep dive into exploratory research, proof of concepts and potential innovations. I am privileged to be able to bring things into existence at the speed of light.
- Researched, designed and led Proof of Concepts on Robotic Process Automation, Conversational Platforms, Blockchain, IOT which helped surface the data need to bring real solutions into the business.
- Designed and build a development framework leveraging world class web technologies. The objectives were to speed up development, be mobile ready, standardize and reuse code, enforce best practices and impose a strict security model. This allowed us to apply cookie cutter type tasks to a resource pooling

team. Many applications were built using this framework; the clients loved its speed, beautiful design and ease of use.

- In less than two years I became the prime developer on a suite of CMHC's most mission critical applications. When I initially took on this role we did not have the production source code so I decompiled the PROD dll's and the DEV dll's. I then built a tool to pump all the code in a relational database and used complex SQL statements to compare each class/function/variable/etc signatures and reverse engineered the delta's. I was able to deduce and re-build a source snapshot of what we had in PROD. I converted the project to .NET and implemented an Agile project model and a branching strategy that allowed multiple people to work on the same project at the same time.

BreconRidge Manufacturing Solution *(dept. was acquired from Nortel)*   2003 – 2010
Design, build, document and support a suite of applications in a fast paste manufacturing environment that requires constant changes, best practices and generic scalable solutions.
- A quote from my last review*: "Eric is the lead developer in the SAP MII project (a web based application in support of the Revenue Interlock and Revenue Status metrics). Eric has delivered a professional solution without the benefit of formal training. He extended the in-house training to the next level in the process of providing this new capability."*
- Designed and built a generic, multi-lingual web database mining tool using ASP/SQL/JavaScript and Office Web Components. This tool merges multiple databases and outputs a variety of reports for different areas of the business, with drilldown capabilities. This tool has become an asset for the company. Customers also have access to shared reports through a partner portal using a secure login *(received recognition from Directors and CEO).*
- Designed and build an interface for reporting SAP data using VB.NET/SQL/CSS/MSSQL and Infragistics. Used DTS *(Data Transformation Services)* to import raw data and create extended tables. Standardized the look and feel using CSS, used LDAP for authentication.
- Designed and built a serial number and MAC address tracker using BarTender ActiveX *(label software)*/VB/SQL/Oracle and some interaction with SAP. *(Printer suppliers have expressed that no other competitor comes close to having a solution like this one – serial number duplication went away).*
- Designed and built a .NET web application to measure plant productivity. This application pulls data from many sources using DTS's, web services and user inputs. Metrics are then generated and presented to directors, CEO and the board of directors.

Nortel Networks   2000 – 2003
Design, build, document and support a suite of applications used by Engineering departments.
- Designed and built a Common Test Platform used by Test Engineers for building software that performs testing on hardware. This platform is used for designing and manufacturing and was built using C/SQL and Informix. This tool is still being used at BreconRidge *(dept. was acquired)* and is an asset for the sales department because of its robustness and huge savings on development time.
- Designed and built a data mining application using C and SQL. This application is used to analyze parametric data, trend charts, yields, failure pareto, intelligent repair and more.
- Designed and built a standard data shipping utility using the TCP/IP protocol/XML and C++.
- Wrote hardware drivers for use with the Common Test Platform using C.

Picosoft Solutions   1996 – Present
With the ambition of designing and building software solutions, I registered a company and took-on great opportunities.
- Conceptualized, designed, built and marketed an application using AngularJS, Bootstrap, Yii, PHP, MySQL and Cordova/Phonegap. I built www.trendots.com as a way to keep up to date with the latest web and mobile technologies. This application is hosted on AWS "Amazon Web Services" and is setup to scale automatically when demand ramps up. The build and deploy is fully automated for web, android and IOS. Wrapped with top security, user privacy and an API driven backend, the code base can scale without limitations. Leveraging AngularJS and Bootstrap the speedy front-end is coded once for all platforms. The application itself is feature rich; from custom forms and reports to IOT interfaces and collaboration. Trendots has potential to dominate its market.

- Designed and built a relational database web application using PHP/MySQL. This application is used by Ford Canada for centralizing communication between all dealerships.
- Designed and built a relational database application using VB/Access and Crystal Reports. This application is used by some community television stations across Canada for tracking and reporting broadcasting activities to the CRTC.
- Developed multiple commercial websites.

Instructor at CDI College of Business & Technology   2000 – 2000

After completing my 18 month intensive course I was offered a position as an instructor. This was a great opportunity for me to master all the different languages and techniques.
- Gave seminars and helped students progress though their courses.

EDUCATION AND TRAINING

CDI College of Business and Technology   1998 – 2000
- Graduated with a Programmer Analyst Diploma, with honors.
- Completed 4 months ahead of schedule and used the extra time to study Networking Essentials.
- Offered a job as an instructor which gave me an incredible opportunity to review and master all of the material.

La Cité Collégiale   1997 – 1998
- General Science Program *(Physics – Chemistry – Math – Computers)*

REFERENCE AVAILABLE UPON REQUEST