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Citizenship: Canadian and French (US TN visa within 36 hours).

OBJECTIVE

I am looking for a company with a challenging project. During my 30 years career in the Software industry I have dealt with various "mission impossible" situations, and these do not scare me. The hard work and the reward of seeing a project fulfilled are my life and blood. Whether it is a technical challenge or a marketing one, any project can be successfully completed with the right approach and clear goals.

PROFILE

Since March 2011, I am the Senior Software Architect and Director of Engineering in team creating a new JavaScript application framework at Motorola.

From January 2007 until March 2011, I have been WebObjects' Engineering Manager: working with a small team of dedicated engineers, we steer WebObjects development. Besides our own contributions, we motivate and review contributions from other teams, using and developing WebObjects within Apple. In this position, it is also my responsibility to present new features and direction at the annual developer conference As the main resource for WebObjects, it is my role to help other teams troubleshoot their applications. [Technology used: Java, Cocoa, WebObjects 5.4/6.0, Web Services, XML, Multicast DNS, eclipse, MacOSX]

Between February and October 2008, I contributed to the launch of the iPhone SDK, as the iPhone Development Tools Manager. In that role, I integrated the development tools in Xcode, supported the development of the iPhone configuration utility on the MacOS, and created an equivalent version on Windows. [Technology used: ObjC, Cocoa, Xcode, .Net, VisualStudio, MacOSX, Windows]

In the last 6 years I have contributed and am now the principal maintainer of JmDNS, an open source project, that is a Java implementation of the IETF draft RFP multicast extensions for DNS. This project contains the needed elements for service discovery and service registration. It is compatible with Apple's Bonjour service. [Technology used: Java, Multicast DNS, eclipse, MacOSX, Ubuntu]

For the preceding 10 years, I did short and long term contract work for French, Canadian and US companies. I hold an engineering degree and have successfully developed software over the last 20 years. Conversely, although I don't have a degree in Business, I do have 10 years of concurrent experience of marketing and sales in an international environment. Creating my own company sPearWay Ltd. in 1992, I have built a team of software professionals who help me fulfill my contracts.

sPearWay offers software development and hosting services to companies. sPearWay's flagship software product is sPearCat (http://www.spearcat.com/). sPearCat enables a merchant to create fully-customized world-class international catalogs. This software suite is designed to help a merchant build a storefront to market products online. It has been under active development for 6 years under my stewardship. The application was originally developed with WebObjects 4.0 and has since been ported to each version of

WebObjects including the latest 5.4 on Mac-Intel. [Technology used: Java, Cocoa, WebObjects 4.0/5.4, Web Services, XML, Multicast DNS, MacOSX, Linux, OpenBSD, FrontBase, Openbase, scripting]

For Millward Brown, I successfully developed and deployed two based market research applications. These applications enable Millward Brown's corporate customers to create surveys and field them on the using an intercept method. The application then collects the data, analyzes it and creates a report of the findings. A typical data collection project involves 5 to 10 million data points. [Technology used: Java, JavaScript, C++, Com, WebObjects 4.5/5.0, XML, Hot standby, UML, SPSS, Windows, Linux, Oracle]

In my job with Matra, as a business unit manager, I created new sales channels and managed international sales meetings for a CAD/CAM product. With corporate and country marketing departments I organized marketing communications, promotions and events. Part of my duties was to implement a system of sales reporting and sales forecast for the new product. I enjoyed and was successful in international sales activities with extensive travel. [Technology used: C++, Fortran, Oracle, Unix (Sun-SGI)]

Over a 10-year period I have developed a commercial application in full use today managing electronic left luggage lockers in airports and railway stations in the US and throughout the world (37 languages).

- This project was started in 1989 using Object Oriented design. The Macintosh was chosen because of its superior network capabilities. The language employed was Object Pascal as it was the only commercially available object language for the Macintosh at the time. We used the MacApp application framework to speed up development. This software is based on a client/server model. For each site a local server collects locker information. A remote computer can connect on the server machine to examine information and to modify installation parameters. Accounting functions are also provided including currency management as some lockers, in Europe, accept multiple currencies.

- In 1997, the luggage manager project was created, this time to re-engineer the existing Remote Control software to support new hardware platforms, to provide new functions and to improve the maintenance of the software. The new functions cover the area of manual luggage handling, overdue luggage management, better alarm management (e-mail, pager, etc.), integration of statistic functions and installation time reduction. The new software is able to use various hardware platforms: in particular the software is able to function on Windows NT & 95 as well as the MacOS to support existing customers.

- This project was completed in 1998 on schedule and within budget. This new development was carried out using the WebObjects framework, Database access through ODBC and Java language. This new version of the application enables any computer in the station or airport to review locker status or modify locker parameters using a browser.

[Technology used: Java, JavaScript, WebObjects, Windows, MS-SQL]

One of my projects was the port of a 3D Modeling libraries from UNIX to the MacOS. I undertook this project as a contractor. This software written in C++ is composed of 1 million lines of codes in 10 000 files. It uses advanced Object Oriented Programming techniques for collection and reference counting. This was a six month project finished on time. The main market for that software is developers of 3D CAD applications. [Technology used: C, C++, MacOS, Unix]

Between 1981 and 1985 I implemented three systems for trajectory calculation in the French Flight Trial Center. These were real time projects based on Bull computers. They were developed using FORTRAN and assembly language. These systems are used to track aircraft and weapons during trials. The main purpose of the systems is to collect trajectory calculation and to display in real time the position of airborne objects (20 ms cycle) to enable a successful test. Each of these projects involved two people for a year. [Technology used: C, Fortran]

With the same company I designed and implemented a system for digital measurement acquisitions and trial controls in a rocket propulsion system testing center. This project involved high precision measurement equipment, transmission of those measurements over long distance and their storage on a central computer. The main technical difficulty was the accuracy (10-4) and the speed (400 000 measurements per second for 15 minutes). [Technology used: C, Fortran, PCM]

In Canada I was particularly successful at selling, planning and implementing the Quebec-Hydro systems involving standard and custom software and hardware. This was a prime contractor job. For that $20 M contract I was responsible for budget and deadlines. [Technology used: C, Fortran, Object Pascal, VMS]

EXPERIENCE

Director of Engineering - Senior Software Architect, Motorola Mobility Inc., Sunnyvale USA 2011-Present

[Electronics & phone services]

Motorola Mobility, Inc. fuses innovative technology with human insights to create experiences that simplify, connect and enrich people's lives. The portfolio includes converged mobile devices such as smartphones and tablets; wireless accessories; end-to-end video and data delivery; and management solutions, including set-tops and data-access devices.

Chief responsibilities:

- Architecture of JavaScript framework persistence layer
- Preparation of product plan
- Management of the developers support team

WebObjects Engineering Manager, Apple Inc., Cupertino USA 2007-2011

[Computers & Electronics]

Apple designs Macs, along with OS X, iLife, iWork, and professional software. Apple contributes to the digital music revolution with its iPods and iTunes online store. Apple gave a new life to the mobile phone with its iPhone and App Store, and has recently introduced the iPad, defining the future of mobile media and computing devices.

WebObjects Engineering Manager

Chief responsibilities:

- Preparation of WebObjects product plan.
- Management of WebObjects development team.
- Development of key features.
- Defects triage and prioritization.

iPhone Development Tools Manager [Feb 2008 - Oct 2008]

Chief responsibilities:

- Integration of iPhone development tools in Xcode.
- Development of the iPhone Configuration Utility on Windows.
- Support of external developers for iPhone application launch.
- Defects triage and prioritization.

President, sPearWay Ltd., Vancouver Canada 1992-Present

[Software & computer services]

sPearWay Ltd. contracts for development of real time and electronic commerce applications. It also provides software maintenance, localization and Internet hosting services.

Chief responsibilities:

- Lead developer for sPearCat (http://www.spearcat.com/)
- Lead developer for Wireless Matrix nest generation product using WebObjects
- Director of products development for Millward Brown
- Development of a commercial software to manage electronic left luggage lockers.
- Development of collaborative referral software for Neighbor.com.
- Port of a 3D modeling library from Unix to the Macintosh.
- Creation of a business case for developing new electronic lockers in the school market.
- Creation of Internet Commerce catalogs and hosting services.

AEC Operation Manager, Matra Datavision, Les Ulis, France 1991-1995
[Editor of CAD/CAM software]

Matra Datavision was the first company to produce a 3D solids modeling package in 1980. Matra Datavision is today a US$ 200 M company.

With a small specialized team, I had the responsibility to opening a new market for Matra in the Computer Aided Engineering field.

Chief responsibilities:

- Market analysis to define the sales strategy of the products.
- Sales meeting coordination and management.
- Definition and scheduling of product versions.
- Technical presentation of products to prospective customers.
- Creation of sales demonstrations and supervision of their development.

Project Manager, MORPHO Systèmes, Fontainebleau, France 1990-1991
[Manufacturer of image processing computer systems]

Morpho Systèmes specializes in automated finger print identification systems. It has customers all over the world and a very strong presence in North America.

I was responsible for the development of the workstation software of automated criminal fingerprint identification systems.

Chief responsibilities:

- Preparation of technical specifications.
- Supervision of a team of 5 software engineers and technicians.
- Modification to the existing software written in C on IBM Unix (AIX)
- Creation of a new display software based on Motif GUI.

Technical Manager, MORS, Le Blanc Mesnil, France 1985-1990
[High technology conglomerate]

Mors specializes in electronic and computer systems for scientific and industrial use with particular expertise in Aeronautical, Railways and Power management industry sectors. Mors Sales in 1995 were US$ 100 M.

MORS France: I rebuilt the computer systems department of MORS's main electronic subsidiary, Techniphone.

Chief responsibilities:

- Direction of a team of about 16 software engineers and technicians.
- Negotiation of technical specifications to ensure customer satisfaction on time frame and cost.
- Research of new contracts for export, and follow up of existing ones.

MORS Canada: In January 1986, having negotiated and won a major contract with Québec-Hydro for computer systems integration, I came to Montréal to establish a Canadian subsidiary, MORS Technologies.

Chief responsibilities:

- Project management, including all planning stages, from design to procurement, customer support and field service. This factory employed 20 people and dealt mainly with the conception and installation of computer systems.
- Adaptation of a line of electronic left luggage lockers to the North American market. This included technical representation of the product and the development of new marketing ideas. To respond to

North American specific market requirements, I started the development of a left luggage locker management software.

• Research, development and marketing strategy for electronic and software products in the area of electricity distribution automation. The project aim was to develop a fully integrated solution for automated mapping, facility management & distribution SCADA. Through this project, I have gained an extensive exposure to the U.S. utility market and to CAD competitors.

Project Manager, CGEE Alsthom, Rueil Malmaison, France 1980-1985
[Electrical installation firm]

CGEE now called Cegelec is part of the Alsthom group. The largest publicly quoted group in France.

Chief responsibilities:

•Implementation of three systems for trajectory calculation in the French Flight Trial Center.

•Design and implementation of a system for digital measurement acquisitions and trial controls in a rocket propulsion system testing center.

•Estimation of quantities and cost for new contracts, and negotiation of terms and conditions with the client.

Civil Engineer, GERBA, Paris, France 1979-1980
[Engineering company specializing in building renovation]

Chief responsibilities:

•Project management, from conception through completion; followed up on approximately a thousand dwellings.

EDUCATION

Ecole Centrale de Lyon, Ecully, France Engineering Graduate (Master degree), 1978

GENERAL INFORMATION

Citizenship: Canadian and French.
Visa: US TN visa within 36 hours
Languages: Fluency in French and English.

SKILLS

Development platforms:
Macintosh MacOS/MacOSX, Windows NT/2000/Vista, Cocoa, WebObjects, .Net, Xcode, VisualStudio, eclipse, Linux, VAX/VMS, IBM/AIX, SGI/IRIX, SUN and BULL computers.

Databases:
Oracle, SQL Server, mySQL, FrontBase and Openbase.

Computer languages
JavaScript, Java, ObjC, C++ and C, FORTRAN, Object Pascal

Internet management tools
WebObjects, Microsoft BackOffice, AppleShare IP, QuickDNS, Stalker Internet Mail Server, Apache, sPearCat, Credit card authorization and payment.

Personal productivity tools:
Macintosh, MS-DOS / Windows, Windows 2000
Word, Excel, PowerPoint, Project, PageMaker, inDesign, 4D,
FreeHand, Illustrator, ClarisDraw, Photoshop, Premiere, Strata StudioPro, GoLive.