

Summary

Nineteen years of progressive responsibility in software development. Solid background in Windows programming, with strong emphasis in User Interface based products. Consistently exceed goals and expectations. Skilled in developing with the latest technologies (Visual C# .NET, Windows Presentation Foundation, Windows Communication Foundation...).

Computer Science:

- Languages: C# (WinForms, WPF), JAVA, Visual C++ (MFC, Win32), C, Ada, Fortran, Pascal.
- Technologies: .NET, WCF, ASP.NET, Eclipse, COM/DCOM, InstallShield.
- Operating Systems: Microsoft Windows, UNIX.

Scientific Fields:

Electronics, Automation, Signal theory.

Internet:

Web Design & Programming (Visual Web Developer), Microsoft Expression, Adobe Flash.

Education

University Pierre & Marie Curie - France

- 1993:** Post Graduate Degree: Industrial Computer Science.
- 1992:** Master's Degree: Physics and Applications (Electronics option).
- 1991:** Bachelor's Degree: Physics.

Experience

→ **CareFusion** (Health Care Services Company) - USA

Since 01/2009

Principal Software Engineer

Technical Lead for Pyxis® Medication Interaction Alerts (provides customizable, active alerts for allergies and drug/drug interactions at the Pyxis® MedStation 4000 medication dispensing system). Technical Lead for [Pyxis® Advisor](#) (brings patient specific clinical surveillance service to the Pyxis® MedStation 4000 medication dispensing system). Designed and developed 95% of both products. *Environment: PC, Windows XP/7, Visual C++, MFC, Visual C# .NET, Windows Presentation Foundation (WPF), Windows Communication Foundation (WCF), Multithreading.*

Designed and developed a software language localization tool aimed at helping the process of bringing the company's products to foreign markets. The tool features a comprehensive user interface aimed at making it accessible to users without significant learning curve (graphical editing capabilities...). *Environment: PC, Windows XP/7, Visual C# .NET, Windows Presentation Foundation (WPF), Multithreading.*

→ **NextWave Wireless** - USA

07/2007-09/2008

Senior Engineer

Participated in the development of a test tool for WiMAX (wireless data over long distances) embedded products. This tool enables visibility over the flow of exchanged messages. It also grants access to various settings of the modems under test. *Environment: PC, LINUX, JAVA, Multithreading, Eclipse.*

Specified and developed an application allowing the user to edit, check and compile the "non volatile memory" parameters of our wireless modems. A strong emphasis has been placed on ensuring a satisfying user interface experience. *Environment: PC, Windows Vista/XP, Visual C# .NET, Windows Presentation Foundation (WPF), Multithreading.*

→ **Texas Instruments** - USA

11/2004-06/2007

Software Engineer

Participated in the specification and development of an Eclipse based test platform for wireless embedded applications. The success of the product has led to a worldwide deployment (USA, Germany, Sweden, France...). I have been ranked as the "top contributor" of my team. *Environment: PC, Windows XP, JAVA, Eclipse, Visual C# .NET, Visual C++ (MFC), Multithreading, COM.*

→ **S2 Technologies** - USA

05/2002-10/2004

Staff Engineer

Participated in the specification and development of an integration and test platform for embedded application developers. In charge of the graphical interface front end. *Environment: PC, Windows XP, Visual C++ (MFC), Multithreading, COM.*

→ **Vektrex** (Measurement Technology Company) - USA

04/2000-05/2002

Software Engineer

Designed and developed a client-server application (communication protocol + user interface) allowing the control of a measurement device through a TCP/IP based network. *Environment: PC, Windows, Visual C++ (MFC), TCP/IP.*

Participated in the elaboration of a new concept of measurement device driver. Companies involved in defining the standard included: **Agilent, Boeing, Ericsson, Nokia, Tektronix...** The IVI COM drivers offer greater ease of use as well as device interchangeability.

Also, participated in the specification, conception and development of a software suite (VIVID), which became the first IVI COM driver development platform. *Environment: PC, Windows, Visual C++ (MFC), COM/DCOM, InstallScript (InstallShield).*

→ **SAIC** (High-Technology Research and Engineering Company) - USA **06/1999-04/2000**

Software Engineer

Contract with **Kaiser Permanente**.

In charge of the integration of specific software components into a large patient management system. *Environment: PC, Windows.*

→ **TECSI (acquired by Steria)** (Staffing Company) - France **06/1996-05/1999**

Software Engineer / Project Lead

Contract with **Axiome PSI**.

Designed, developed and evaluated technology for a high-level software component allowing the detection of specific cellular devices (location displayed on vectorial map). *Environment: PC, Windows, Visual C++ (MFC), ActiveX, SDK, wireless communication devices.*

Contract with **Peugeot**. Project Lead.

R&D project: evaluation of the new Windows CE technology as a core component for providing multimedia dashboards to Peugeot cars. Developed specifications, established the schedule, ensured on-time delivery of prototypes. *Environment: PC, Windows CE, Visual C++ (MFC).*

Developed a course entitled "Visual C++ and MFC" for internal and external training. Responsibility to teach course to TECSI employees. *Environment: PC, Windows, Visual C++ (MFC).*

Contract with **Thomson-CSF Communications** (Military communications).

Conducted structural analysis and adaptation (UNIX to Windows) of software components handling military communication protocols. Developed a graphical interface. Responsibilities included integration and documentation support. *Environment: PC, Windows, Visual C++ (MFC).*

Worked on the development of Real Time Craft (real time kernel). Responsible for the development of the first generation of RTC kernel simulator for Windows (only available for UNIX until then). Implemented a user interface in assembly for the RTC kernel by adapting an existing product (MetaWINDOW). *Environment: PC, Windows, C, Visual C++ (MFC).*

→ **SYSECA (now Thales Services)** (Staffing Company) - France **01/1995-05/1996**

Software Engineer

Contract with **Thomson Training & Simulation**.

Worked on a nuclear power station simulator. Responsible for enhancing the tool responsible for the automatic generation of the simulation code. Specified many evolutions of its core components. Managed one software development team member. *Environment: UNIX, SUN, SOLARIS, C language, Ada language, EMPRESS database.*

→ **SNPE Ingenierie** - France **11/1993-10/1994**

Military scientist (French Military Obligations)

Developed and implemented a software allowing the study of shock wave effects on buildings. *Environment: PC, Windows, Visual C++ (first generation).*

→ **Thomson Training & Simulation (now Thales Training & Simulation)** - France **03/1993-09/1993**

Trainee engineer

Worked on a nuclear power station simulator. Specified, developed and implemented a high level software component in charge of handling "simulator specific" network communications. *Environment: UNIX, SUN, SOLARIS, CRAY, C language.*

→ **CNRS** (French National Research Institute) - France **06/1992-09/1992**

Trainee

Developed a data-processing Fortran program allowing the study of microwave electronic devices. *Environment: PC, FORTRAN.*

Additional Experience

→ **I Want My Travel** (Travel Agency) - USA **Since 03/2000**

IT Director

Responsible for all technology aspects within "I Want My Travel", including the design and programming of the company's web site (<http://www.iwantmytravel.com>). *Environment: PC, Windows Vista/XP, Visual C# .NET, ASP.NET.*

Misc

Languages:

Fluent in English and French.

Music:

Author, Composer, Interpreter. Use of a digital home studio structured around the software "Sonar" (PC/Windows). Various articles published in the press.