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Married, two children

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## **Freelance Senior Analyst-Developer and Project Manager**

### **Microsoft .NET technologies**

## **1. SUMMARY**

- Senior Analyst Developer .NET
- Experienced project manager
- Specialized in Microsoft and .NET technologies
- 10 years of experience, incl. 5 years at ArcelorMittal Headquarters
- Company owner : IT Luxembourg sàrl
- International experience, including missions in Montréal, Dubai, Chicago, Paris, Berlin etc.
- Analytical and communication skills
- Experienced in complementary fields such as electronics

## **2. COMPETENCES**

### **PROJECT MANAGEMENT**

- Extensive experience in software development project management, especially for web applications (ASP.NET, C#, VB.NET)
- PMI trained
- 5 years at ArcelorMittal Headquarters
- Managing teams of developers
- International project management, incl. some projects covering all of the ArcelorMittal countries (> 60) (e.g. ArcelorMittal Travel, e-learning)
- Worked as freelance
- *IT Luxembourg* company owner

### **ANALYSIS AND DEVELOPMENT**

- Senior level for analysis and development in ASP.NET, C#, VB.NET
- Experience in java, flash, C++, VB.NET, Biztalk, Reporting Services, etc.

- Examples of analysis/developments :
- Expense reports management for ArcelorMittal group, in production since 2005 with EUR 4.000.000 of expense reports per year)
- Development of modules for the back-office used by Intermarché
- Web application to control a complete home domotic installation
- Analysis and development of an ASP.NET application to manage the stock of cylinders used in a cold rolling mill
- Analysis and development of a web applications monitoring system
- Complete project list in the following pages

## TECHNICAL SKILLS

- Languages:
  - ✓ ASP.NET, C#, VB.NET, Java, C, C++, Javascript, HTML, CSS, Flash Actionscript, PHP, Pascal, SQL, Assembly language, C for microcontrollers (8051 and Microchip PIC families)
- Databases:
  - ✓ SQL Server 2000/2005, Informix (DB2), MySQL, MS Access
- Tools:
  - ✓ Visual Studio, MS Office, Biztalk, SQL Server Management Studio, Reporting Services, Adobe Flash, MS Project, SharePoint (2003 & MOSS2007), Microchip MPLAB, MBSA, Internet Explorer, Firefox, Total Commander, Microsoft Silverlight, Business Objects, NHibernate, LINQ, MS Analysis Services, XLCubed, Matlab, Photoshop, Blender, GIMP, Autocad, Eagle (PCB), Virtual PC, Virtual Server
- Operating systems:
  - ✓ Windows, Linux

## DOCUMENTATION

- Specification, creation and organization of document management system in SharePoint for ArcelorMittal Corporate IT department (more than 1200 IT documents)
- Information management and knowledge base creation in SharePoint for ArcelorMittal Corporate IT development team (15 developers)
- Organization of internal trainings
- Participation in the elaboration of SOX procedures
- Redaction of best practices and procedures for ArcelorMittal software developers
- Creation and documentation of ArcelorMittal offshoring platform

## 3. LANGUAGES

- French: Mother tongue
- English: Excellent level
- Dutch: Medium level

## 4. EDUCATION

- 1999 – **Electronics industrial engineer** – ECAM (BRUSSELS, BELGIUM), grade
- 1996 – Civil engineer (first two years only, candidatures diploma) – UNIVERSITE CATHOLIQUE DE LOUVAIN (BELGIUM)
- 1993 – Spéciale Math – LYCEE MARTIN V (LOUVAIN-LA-NEUVE, BELGIUM)

## 5. PROJECTS

JULY 2009-  
SEPTEMBER 2009

GETRONICS GROUP

LUXEMBOURG

### Purpose

Function : ASP.NET / VB.NET Analyst Developer (freelance)

- **Framework Programme Seven (FP7) for the European Commission**
- Web application to manage the European research budget allocation
- Allows the full process of reviewing and evaluating the thousands of proposals by teams of independent experts under supervision of EC
- Development of new features for ethical screening and security scrutiny on the proposals
- Good teamwork, project completed on schedule

### Environment

- Critical application for the EC, managing the affectation of billions of EUR
- High security and availability

### Realization

- New features have been developed on time

### Technical Environment

- ASP, ASP.NET, VB.NET
- IIS webfarm
- SQL Server 2005 clusters

APRIL 2009 -  
JUNE 2009

IT LUXEMBOURG (COMPANY CREATION)

LUXEMBOURG

### Realization

- Creation of a software development company in Luxembourg

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### Purpose

Function : ASP.NET Analyst Developer – Project Manager

- **First implementation of ASP.NET applications in ArcelorMittal Corporate Center and definition of architecture**
- Training of developers
- Definition of best practices
- Definition of ASP.NET infrastructure
- Creation of development, qualification and production environments
- Redaction of documentation

- Creation of a knowledge base
- Creation of common ASP.NET libraries
- Implementation of Source Safe
- Selection of third-party software and components
- Revision of the developer's code
- Definition of complete development workflow from user requirements to application deployment and user acceptance tests
- Improvement of the existing organization.

#### **Environment**

- Major web applications for the whole group, including the group intranet (Arcelor 100.000 people, then ArcelorMittal 320.000 people)
- Tailor made developments and third party solutions integration
- Single login, one face to the customer
- High security and availability

#### **Realization**

- Team of developers used to work in ASP have been trained to ASP.NET
- Full production, qualification and development servers have been installed (IIS farms and SQL server clusters)
- Project management methodology, best practices and quality approach progressively put in place.

#### **Technical Environment**

- ASP, ASP.NET, C#
- IIS webfarm
- SQL 2000 / 2005 clusters
- Reverse proxy

#### **Technical Environment**

- ASP, ASP.NET, C#, Source Safe, Biztalk
- Reporting Services
- IIS farms, SQL Server clusters
- Reverse proxy

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

#### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Integration of an online booking system (flights, train, hotels, cars) with the ArcelorMittal intranet and master datas**
- Seamless integration with silent login, high security
- Advanced data synchronization system for updates in user datas, cost centers and other informations

- Application audit
- Solve organizational, legal and technical questions
- Project management, analysis and development

#### **Environment**

- Travel application for the whole ArcelorMittal group (320.000 people)

#### **Realization**

- Analysis and development, IT project management
- In production since 2005, deployed for Luxembourg, France, Germany, UK, South Africa, and Netherland. Deployment to other countries ongoing.
- Similar integration projects mentioned here to make short :
- ArcelorMittal TV : Video site for the communication department
- Brand ID : Branding site for the communication department (in production)

#### **Technical Environment**

- ASP, ASP.NET, C#, Source Safe, Biztalk
- IIS farms, SQL Server clusters, DTS, SSIS
- Reporting Services
- Externally hosted application, secure silent login from intranet
- Reverse proxy

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

#### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Integration of an environmental data collect and analysis application into the intranet with silent login**
- Business intelligence, creation of ad-hoc reports
- Analysis and development of an application to track the impacts and evolution of environmental legislation in all ArcelorMittal countries

#### **Environment**

- Application to manage all environmental datas for ArcelorMittal, such as toxic materials, CO2, energy consumption etc
- Critical and confidential datas related to toxic waste and CO2 quotas

#### **Realization**

- The application is in production since 2004, additional ad-hoc reports have been created according to the environmental department's needs
- Application to follow the legal threats is used for the whole group since January 2009

#### **Technical Environment**

- ASP, ASP.NET, C#, Source Safe
- IIS farm, SQL Server cluster, Oracle, DTS, SSIS
- Reporting Services
- Reverse proxy

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Creation of a knowledge base in SharePoint (MOSS 2007) to capitalize knowledge and organize all IT/IS documents**
- User friendly, searchable, easy to edit
- Fine grained access rights for consultants and employees
- Introduce information management
- Document lists, discussion groups, agenda, metadatas, views, FAQ, etc.

### **Environment**

- Corporate IT/IS department becoming large with 60 people, mostly external
- I proposed and realized this project because the amount of informations was huge and could be dispersed or lost over the network

### **Realization**

- Centralization of documents, informations, best practices, in one central searchable place has been a success
- Very fast and wide adoption of the solution, in production since 2007

### **Technical Environment**

- MOSS 2007 (SharePoint) with custom authentication : silent login with the intranet portal
- ASP, ASP.NET, C#, Source Safe

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Optimization of the external consultants recruitment process with SharePoint (MOSS 2007)**
- Creation of a SharePoint team site for IT project managers
- Created a formal validation process

- Structured and searchable storage of all received CV, with dates, rate, availability, interviews etc
- Organization of all profiles requests
- Contact list of SSII
- Complete traceability
- Advanced reports : cost comparisons between companies, between consultants, time evolution

#### **Environment**

- IT Corporate went from 20 people to more than 60 in a few years, mostly externals, but was missing a good recruitment process

#### **Realization**

- Proposed and realized this project as a formalized external recruitment process was needed due to the fast growing of the IT department
- Fast adoption since 2008
- Vastly improved the speed of the recruitment
- Gives useful informations during the negotiation phase

#### **Technical Environment**

- MOSS 2007 (SharePoint) with custom authentication : silent login with the intranet portal
- ASP, ASP.NET, C#, Source Safe

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

#### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Analysis and development of a web applications monitoring system**
- Measure availability of ArcelorMittal applications, portal, internet site etc
- Alert helpdesk and specific teams in case of failure
- Many reports and graphs to analyze an incident
- 24/7 monitoring
- Automatically sends emails and SMS
- Monthly availability reports for Service Level Agreements
- User friendly, can subscribe to selected scenarios
- Extended to monitor other types of alerts

#### **Environment**

- Before this project, an incident was most of the time detected by the final users, who then called the helpdesk
- The scope was 80 intranet applications accessible for the whole group

#### **Realization**



- Proposed and realized this project as the number of critical applications was growing
- Allowed many times to solve problems before any user could notice it
- Gives precise percentage of availability for all applications
- Logs and graphs all failures, even sporadic, for analysis and resolution
- Dashboard gives instant view on the global status

#### Technical Environment

- ASP.NET, C#, Source Safe
- Reporting Services
- SMS sending system
- IIS farm, SQL Server cluster
- Reverse proxy

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

#### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **Set-up of a load testing environment and methodology for the Group BPM project**
- Simulation of up to 500 different users
- Complex scenarios with different categories of users (reporting, data entry etc)
- BPM is the largest Group IT project managed by the Corporate

#### Environment

- Complexity and cost of the BPM project were very high, and this load testing was the only way to ensure that it was sized correctly
- BPM is a SOX project

#### Realization

- Definition of the load testing architecture and choice of the tools
- Load-testing
- Complete analysis of the results from technical and business points of view

#### Technical Environment

- OpenSTA (load testing software)
- Visual Studio Team System Test Edition
- Reporting Services
- IIS farm, SQL Server cluster
- BPM (Magnitude, acquired by Business Objects and later by SAP)

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **Analysis and implementation for the migration of the group marketing analysis application from Montréal to Luxembourg**
- Definition of new architecture and recommendations

### Environment

- Urgent migration because Montréal offices were closing two weeks later
- Application to gather and analyze all figures needed by group Marketing

### Realization

- Meetings and knowledge transfer in Montréal
- Application successfully migrated to Luxembourg on new environment
- Full documentation created
- New reports and features implemented

### Technical Environment

- ASP.NET, C#, ASP, COM+
- Outlook development (VBA)
- Virtual Server
- Reporting Services
- Excel
- Citrix
- IIS farm
- SQL Server cluster, DTS

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **Group application Business Leader Programme, developed in Dubai**
- **Definition of an architecture to migrate Dubai applications to Luxembourg**
- Access rights for Dubai team to modify their application
- Framework for single authentication, security, access to master datas

### Environment

- During ArcelorMittal merger, solutions are examined to reduce costs and

improve quality, including migration of all global applications to Luxembourg

- Available for whole group (320.000 people) plus all external candidates having an MBA

#### **Realization**

- Meetings in Dubai, understanding different points of view and finding a win-win solution
- Proposal and implementation of a software and hardware architecture
- Proposal of a complete way of working between the Dubai and Luxembourg IT teams
- Successful project in production since 2 years, one of the few common project between Luxembourg and Dubai

#### **Technical Environment**

- ASP.NET, C#, AJAX
- IIS farm
- SQL Server cluster, DTS
- Reporting Services
- Citrix

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

#### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Group application Job Market Online, developed in Dubai**
- **Definition and implementation of the architecture : the application was still hosted in Dubai and authentication is done in Luxembourg**
- Framework for single authentication, security, access to master datas

#### **Environment**

- During ArcelorMittal merger, solutions are examined to reduce costs and improve quality
- Available for whole ArcelorMittal group (320.000 people) and all potential candidates via internet

#### **Realization**

- Meetings in Dubai
- Proposal and implementation of a software and hardware architecture
- Successful project in production since 2 years

#### **Technical Environment**

- ASP.NET, C#, AJAX
- IIS farm

- SQL Server cluster, DTS
- Reporting Services
- Citrix
- Reverse proxy

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **ArcelorMittal group intranet portal**
- **Many improvement and integration projects**

### **Environment**

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### **Realization**

- The response time was the main complaint from users. Proposed and realized a full performance analysis which led to reduce the response times by factor two.
- Analysis of the way to implement a single login between the current group intranet and SharePoint (MOSS2007). This solution works successfully since 2 years.

### **Technical Environment**

- ASP, ASP.NET, C#
- MOSS2007 (SharePoint)
- IIS farm
- SQL Server cluster, DTS
- Reporting Services
- Reverse proxy

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **SkillSoft : group e-learning system**
- Analysis and complete integration into the portal
- User friendly with silent login and good security implementation
- Development of user interfaces to gather datas
- Creation of relevant reports

- Meetings with supplier and ArcelorMittal academy to find the best solution

#### **Environment**

- ArcelorMittal Academy was missing a powerful e-learning software
- Training was an important subject for ArcelorMittal

#### **Realization**

- The project was announced by M. Mittal himself in an email to all employees
- Successful project, excellent collaboration with ArcelorMittal Academy
- In production since one year
- Implemented another specific e-learning “Interactive Dialogues” for the legal department was implemented in February 2009, similar to this project

#### **Technical Environment**

- ASP, ASP.NET, C#
- IIS farm
- SQL Server cluster, DTS
- Reporting Services
- Reverse proxy

**MARCH 2004 –  
MARCH 2009**

**ARCELORMITTAL CORPORATE CENTER**

**LUXEMBOURG**

#### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Group Consolidation and Controlling departments**
- **Reporting solution based on Microsoft Analysis Services cube and Excel add-in**
- Intermediate solution before the full BPM project
- Evaluation of existing products
- Definition of the solution architecture
- Training of the main users and assistance to create advanced reports

#### **Environment**

- These two departments are generating the reports used for company governance as well as official financial results
- Delay in the project or any mistake in the results would have extreme consequences, but everything worked correctly

#### **Realization**

- Group Consolidation and Controlling departments have been creating their official reports using this solution with success

#### **Technical Environment**

- XLCubed (Excel add-in to browse cube data and create powerful reports)
- Analysis Services (Cubes)
- Reporting Services
- ASP, ASP.NET, C#
- IIS farm
- SQL Server cluster, DTS

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### **Purpose**

Function: ASP.NET Analyst Developer – Project Manager

- **Group CAPEX tool**
- **Definition and implementation of an architecture to integrate into the existing intranet portal**
- Development of silent login, with advanced access rights and security
- Gather CAPEX datas, list of projects, ...
- Generates useful reports
- Full collaboration and organization between the client department, IT and solution supplier

### **Environment**

- Many applications like this one have been integrated into the group intranet portal
- Each application has its own characteristics and different developments are needed for a fast and secure integration

### **Realization**

- The application has been successfully integrated into the portal
- In production since April 2007
- Sales department is now also using this application

### **Technical Environment**

- Analysis Services (Cubes)
- Reporting Services
- Java
- ASP, ASP.NET, C#
- IIS farm (in the first version : Apache)
- SQL Server cluster (in the first version : Oracle)

MARCH 2004 –

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

MARCH 2009

### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **Analysis and implementation for the integration of the application “Service Corner” into the group portal**
- Applications allows employees to book activities such as manicure, massages, museums, etc
- Small integration project
- Definition of the architecture for security and user-friendliness

### Environment

- Group intranet is the global entry point for all employees, applications like this one are accessible through it with a single login
- The application was hosted externally

### Realization

- Seamless and secure integration of the application into the portal
- The application is in production since January 2008 and gives entire satisfaction

### Technical Environment

- Externally hosted application with silent login over internet
- ASP, ASP.NET, C#
- IIS farm
- SQL Server cluster
- Reverse proxy

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **Definition of the architecture to offshore ASP.NET development projects**
- Give access to parts of our technical environment and master datas to offshore companies
- Define a workflow and tools for development, deployment, testing etc
- Ensure complete security
- Define ways of accessing master datas

### Environment

- Tendency to cost optimization by offshoring
- Business trip to meet the offshore development team in Bangalore was cancelled due to the crisis

### Realization

- Full definition of the architecture and organization to offshore development projects
- Project stopped due to the financial crisis

### Technical Environment

- ASP.NET, C#
- IIS farms
- SQL Server clusters
- Citrix
- Reverse proxy

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **“One face to the customer” for the group Commercial Coordination and Marketing (Sales & Marketing)**
- **Analysis of a new architecture to give a unified user experience, with a single entry page and single login**
- 15 different ArcelorMittal websites were available for the external clients, depending on the region and type of product (long, flat, tubes etc.)
- Additional features such as search, enhanced navigation etc
- In a future phase the migration of all websites to Luxembourg and reorganization of the support was possible

### Environment

- Project launched at the request of M. Mittal
- Critical project as almost all buyers go through this channel to pass orders or find a sales representative for their region

### Realization

- Full analysis and proposal
- Business trip to Chicago to discuss with the pilot site
- Realization of the project postponed due to the financial crisis

### Technical Environment

- ASP.NET, C#, Web services
- IIS farms
- SQL Server clusters
- Reverse proxy



MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **Analysis and development of a dynamic dashboard giving an instant view on the servers load (CPU, memory etc)**
- Development of an ergonomic Flash interface with an ASP.NET backend
- Datas collected with Microsoft Operations Manager
- Automatic synthetic reports

### Environment

- The ArcelorMittal Corporate IT manages a big datacenter of more than 400 servers
- A lot of informations are collected but there was no easy way to see graphically the global usage of many servers at once

### Realization

- This project gave immediate visibility on the usage of servers, some of them used only at a few percent of their capacity, some other overloaded
- Adaptations were made to the infrastructure given the reports generated by this project

### Technical Environment

- ASP.NET, C#, Web services
- Flash
- Reporting Services
- IIS farms
- SQL Server clusters
- Reverse proxy

MARCH 2004 –  
MARCH 2009

ARCELORMITTAL CORPORATE CENTER

LUXEMBOURG

### Purpose

Function: ASP.NET Analyst Developer – Project Manager

- **Analysis and development of a Resource planning application**
- Allows management of IT resources
- Holidays validation and management
- Project assignment management
- Reports on costs, resource usage etc
- “Click-once” .NET technology : gives an interface similar to a windows

application, over the web

- Uses the global master datas for resource and projects list

#### **Environment**

- Due to its fast growth, the IT department was looking for tools to enhance its productivity

#### **Realization**

- This was the first project using the “Click once” .NET deployment method, which gave an impressive user experience : interface similar and as fast as the outlook calendar, accessible through internet

#### **Technical Environment**

- ASP.NET, C#, Web services, Winform
- Reporting Services
- IIS farms
- SQL Server clusters
- Reverse proxy

SEPTEMBER 2003 – ARCELOR - LAMINOIR DE DUDELANGE  
FEBRUARY 2004

DUDELANGE

#### **Purpose**

Function: ASP.NET Analyst Developer

- **Analysis and development of an ASP.NET application to manage the stock of cylinders used in the cold rolling mill**
- Reliable, user-friendly
- Historize all operations such as rectification, chroming, heating etc.
- Application communicates with the huge production tool e.g. to send exact diameter and characteristics of the cylinders. An error here could cause severe damage and be dangerous for the operator
- Find the best solution for the client
- Train the users (blue-collars)

#### **Environment**

- Industrial, Laminoir de Dudelage was a cold rolling mill
- Progressive replacement of all VAX applications by .NET applications
- Risky, an error in the application can damage the main production tool.

#### **Realization**

- The application was developed on time and has been working successfully until the dismantlement of the site in 2005

#### **Technical Environment**

- ASP.NET, VB.NET, Web services
- Reporting Services

- IIS farm
- SQL Server cluster
- Industrial environment based on VAX systems

**JANUARY 2003 –  
AUGUST 2003**

**ALEXSYS SA**

**LASNE, BELGIUM**

### **Purpose**

Function: ASP.NET Analyst Developer (Freelance)

- **Analysis and development of a XML-based document management application**
- User friendly as possible
- Includes a flexible workflow system
- Allowed an enterprise to easily replace any paper form by electronic form

### **Environment**

- PMO of about 70 employees
- .NET was emerging technology

### **Realization**

- Successful project, later sold to Nashua to organize their internal and external forms

### **Technical Environment**

- ASP.NET, VB.NET, Javascript, Java, Web services
- XML, XSL
- IIS farm
- SQL Server cluster

**JANUARY 2003 –  
AUGUST 2003**

**PSO**

**THIMISTER, BELGIUM**

### **Purpose**

Function: ASP.NET Analyst Developer (Freelance)

- **Web application to control a complete domotic installation via internet**
- Analysis and development in Java, Flash and SQL Server
- Virtual navigation in the house via internet
- The system can be used from a PC or from a portable device such as a Pocket PC

### **Environment**

- PMO of about 20 employees, experienced in electricity and domotic

#### **Realization**

- Creation of the application with an innovative visual interface in flash and back-end in Java
- The user can upload photos of his house and navigate visually in it, while turning on the lights or other appliances.

#### **Technical Environment**

- Java, Web services
- Flash
- IIS farm
- mySQL

**FEBRUARY 2002 –  
DECEMBER 2002**

**I.R.I.S. SA**

**BRUSSELS, BELGIUM**

#### **Purpose**

Function: ASP.NET Analyst Developer

- **Analysis and development of a web-based CMS & document management system**
- Analysis of an extension to the software using XML Web services to search and share documents across european clients
- Intensive use of ASP.NET and C# since version beta 2

#### **Environment**

- PMO developing and selling a document management system
- Successful application, used by more than 80 european associations and belgian banks
- .NET was just released in beta 2

#### **Realization**

- Analysis and development of new modules in ASP.NET
- Development and execution speed improvement was impressive in comparison to ASP code
- Allowed to learn .NET from the beginning (beta 2)

#### **Technical Environment**

- ASP, ASP.NET, C#
- VB6, COM+
- SQL Server cluster
- IIS farm

MARCH 2001 –  
JANUARY 2002

ALEXSYS SA

LASNE, BELGIUM

### Purpose

Function: ASP.NET Analyst Developer

- **Analysis and development of modules for the back-office software of «Intermarché », used by more than 2.500 sales points**
- **Business Objects trained consultant** : reporting project for the company managing the barcodes of consumer products in Belgium

### Environment

- PMO having won an important contract to develop and maintain all the back-office system of Intermarché
- Very strict development and testing rules, as for example a price mistake on a label could have big financial consequences

### Realization

- Analysis and development of new modules in C++
- Good team experience and development methodology

### Technical Environment

- Visual C++, MFC
- UML
- Informix (SQL DB2)
- COM+
- Retail environment (cash registers etc)

MARCH 2001 –  
JANUARY 2002

TRACTEBEL DEVELOPMENT ENGINEERING

BRUSSELS, LIÈGE

### Purpose

Function: Project engineer

- **Project Cointe' tunnel in Liège: 1.3 km long tunnel with high security equipments**
- Low voltage equipment analysis and reception with the clients (Equipment and Transportation Ministry) and many suppliers
- On-site verification of the conformity for the low voltage equipment : more than 150 video cameras, access control, telephony, dynamic signalization, automated reading of the car plates, vehicle counting and classification (trucks, cars, etc)
- Fortis headquarters : access control analysis for the headquarters of Fortis (Brussels)

### Environment

- Cointe's tunnel was a huge project of several billions EUR, Tractebel was

the consulting office (bureau d'études) for the electronics and electromechanical parts

- Strong time constraints
- Security was pushed very high, as the Mont Blanc accident was still in all the minds

#### **Realization**

- Participation in the design, meetings and reception of material for all low voltage equipment
- Very interesting project by its size and number of suppliers. New technologies, such as the automated real time reading of car plates up to 160 km/h, for world's first time

#### **Technical Environment**

- MS Project and Office
- All low voltage equipment of a tunnel, industrial computers

**JULY 1999 –  
FEBRUARY 2000**

**SIEMENS SA**

**HUIZINGEN, BELGIUM**

#### **Purpose**

Function: Presales engineer

- **Presales for Siemens Hicom enterprise telephone systems**
- Meetings with clients, salesmen, product specialists, technicians
- Redaction of bid offers and responses to invitations to tender

#### **Environment**

- Siemens is a large company of 400.000 employees
- The Huizingen site manage the sale of medical scanners and enterprise telephony systems

#### **Realization**

- Redaction of many bid offers for large telephony systems
- Good experience acquired from team work in a large multicultural and multilingual company

#### **Technical Environment**

- MS Office
- Specialized applications for the telephone solution design and bid offers

**SEPTEMBER 1998 –  
JUNE 1999**

**FINAL YEAR PROJECT**

**ECAM, BRUSSELS, BELGIUM**

### **Purpose**

- **Research and realization of an electronic medical device creating pulsed magnetic field of specific shape**
- **Computerized system for the measurement of the electrical characteristics of body zones known as acupuncture points**
- Covered a lot of technologies, including the realization of a PC ISA card and realization of a microcontroller based system with LCD, keyboard, ADC etc.

### **Environment**

- Was quite an ambitious project and risky subject for a final year project
- Always been passionate about exploring new fields

### **Realization**

- The project was successful and very well received by the jury

### **Technical Environment**

- C++, assembly language
- Microcontroller programming
- PC ISA card design and realization with ADC
- Design and realization of microcontroller board with LCD, keyboard, frequency generator etc
- Matlab (mathematical software)
- Eagle (schematic and printed circuit board design software)