



- Pierre-Emmanuel DAUTREPPE
- Date of birth: December 16<sup>th</sup>, 1979
- Nationality: French
- Languages: French: Mother Tongue  
English: Very Good  
Spanish: Good (currently learning)  
German: Notions

## Technical Skills

- Development Languages:
  - Very good knowledge of Visual Studio .NET, Team Suite and Team foundation Server (2005, 2008 and 2010)
  - Very good knowledge of C#, ASP.NET, VB.NET
  - Very good knowledge of the .NET framework (from 1.0 to 4.0) and of the internal architecture (CLR, MSIL, ...)
  - Knowledge of Visual C++, C++, C
  - Notions in VB6, Java, ASP, Delphi
- Testing Tools:
  - MsTest and NUnit
  - RhinoMock
  - WatiN
- Databases:
  - MS SQL Server and SQL Server Express (versions 2000 to 2008)
  - Oracle 9i, MS Access, MySQL, Progress
- Operating System : MS Windows 95/98/2000/XP/2003
- Miscellaneous:
  - AOP : PostSharp
  - Internet:
    - [X]HTML, XML and XSL, CSS, OfficeXML
    - (Object Oriented) Javascript and JQuery
  - Databases: SQL and T-SQL
  - Version tools: Team Foundation Server, Visual Source Safe and CVS
  - Administrative tools: Word, Excel, Powerpoint
  - Robotics, 3D, flow management: Catia V5, V+, Siman Arena
  - Real Time: notions in QNX and VRTX



## Work Experience

Since Sept 2002

[THALES Information Systems](#), Brussels, Belgium

### Role in the company:

- .NET architect & Senior software developer
- .NET specialist and .NET Evangelist
- Responsible for the training and mentoring of the Thales .NET team

Project DH2 for the company SWCS (Since October 2005 – 10.000 men days)

Technologies: **C#, Visual Studio Team Ed. For Dev. 2008, Team Foundation**

**Server 2008, SQL Server 2005, XML, XSL, Progress, JIRA, Confluence, PostSharp**

Methodology: **eXtreme Programming**

Role: Agile Architect (architect, senior developer and technology expert)

- Rewriting of a management application of mortgages. This application ensures the following of the life cycle of about 20.000 active case files that can last till 30 years. It allows the creation of new case files, their following, and is able to adapt to the different events that can occur in the mortgage life (payments delays, borrower divorce, loan repurchase, addition of complementary loan, ...) and gives all the statistics date to help for decision
- Agile architect of the project, administrator of the Team Foundation Server and responsible of the continuous integration.
- In charge of following and organizing the knowledge transfer (internal trainings, corrected exercises, technical assistance, code reviews, ...)
- Noteworthy technical developments
  - o Leader of TDD technologies
    - Creation of a framework to test web pages (with HTTP requests) using AOP for data initialization
    - Creation of a custom light web server to unit test (with debugging and code coverage) server controls
  - o Integration with Visual Studio and Team Foundation Server
    - Creation of custom “Check-in policies”
    - Creation of deployment tasks to automate continuous integration process
  - o Exports for Excel (from 95 to 2007) using OfficeXml and exports in Word with MailMerge
  - o Implementation of Http Handlers and asynchronous ASP.NET pages to ensure quality of service and performance
  - o Flexible architecture to support the evolution of attribution rules of loans, software highly configurable (sending of mails, state machine, ...)
  - o Rewriting of providers for authentication, authorization, profile and navigation



Project Top Tool for the company [SCA Packaging](#)

Technologies: **C#, XML**

Role: Senior Developer

- Development of a fat client (multi language, multi currency, synchronization of version with a server, offline or online working) for the cost analysis of packaging product, at the different steps of the supply chain

Project Corrugated Plant DB for the company [SCA Packaging](#)

Technologies: **C#, SQL Server, ASP.NET, Crystal Report**

Role: Senior Developer

- Take advantage of a proprietary framework to create data entry forms and a database to manage the machinery park of the SCA plants
- Develop a web application to allow the user to create dynamic queries on the machinery park database and to export the result to Excel

Internal Project Activity Tracker

Technologies: **VB.NET, C#, Java, ASP.NET, Web Services, Crystal Reports, MSDE**

Role: Junior Developer

- Develop a web application (C#) to allow the fine grained time tracking of employees on different activities
- Shall be integrated with [JIRA](#) (bug tracking system) via a web service layer (Java) and an internal Time Tracking application via a web service layer (VB.NET)
- Create some reports using Crystal Report (SLA, Service Report, time on tasks, ...)

Projects eSBI and eCapex for the company [SCA Packaging](#)

Technologies: **ASP, VB6, COM, vbUnit, SQL Server**

Role: Junior Developer

- Evolutionary and corrective maintenance for the project eSBI (Self Billing Tool for the SCA clients, will set the focus on discrepancies between what has been sent and what has been self-billed by the clients)
- Evolutionary and corrective maintenance for the project eCapex (System to ask for capital expenditure, will manage and follow the request's approval)
- Improvement and rewriting of the stored procedure to improve the performance of the application
- Automation of testing with vbUnit

Project Mapping Tool and bFem for the company [SCA Packaging](#)

Technologies: **C#, DirectX, SQL Server**

Role: Junior Developer

- Evolutionary and corrective maintenance for the project Mapping Tool (Management and mapping tool between the SCA clients and their production plant) in C#
- Evolutionary and corrective maintenance for the project bFem (System to allow a box choice depending of its needed robustness and dimensions, will evaluate the robustness of a specific box) in C# and DirectX



- Upgrade performance of the applications

Project SMGET & ICAT+ for [Eurocontrol](#)

Technologies: Visual C++, C++.NET

Role: Junior Developer

- Evolutionary and corrective maintenance
- Update the archive file format to save and retrieve extra information
- Update the radar's coverage map generation to take into account these new parameters

Project LATITUDE for [Liège – Bierset Airport](#) (1200 men days)

Technologies: **VB.NET, WEB Services**

Role: Junior Developer

- Strong integration between a VB.NET fat client and a J2EE server, communication with Web Services
- Creation of client application in « Windows Forms »:
  - o Flight management system and integration with the billing tool
  - o Management of the aeronautical data (airports, registrations, ...)
  - o Automatic acquisition system from external tools (TNT, Belgocontrol)
  - o User profile management system for SMS sending when movements are updated
- Creation of generic graphical components
- Use of VBDoc and NDoc for document generation, of NUnit for unit testing

Project for the company [Jobs & Career](#)

Technologies: **VB.NET, ASP.NET, WEB Services, SQL Server 2000, MySQL**

Role: Junior Developer

- Creation of a portal in ASP.NET to facilitate the encoding of user's CV
- Enable automatic research of CVs for companies looking for a specific profile
- Enable, using web services, the job offers' automatic publishing on the Job's & Career web site

Project for the company [De Post](#)

Technologies: **VB.NET, Crystal Reports**

Role: Junior Developer

- Creation of a reporting application (in VB.NET) to focus on the possible system troubles
- Report generation, via Crystal Report, in PDF format

**March 2002 – Aug 2002**

**[THALES Information Systems](#), Brussels, Belgium**

Training period for 6 months

Technologies: **VB.NET, ASP.NET, Visual C++, ACCESS**

- Creation in VB.NET of web services and NT services
- Creation of a portal in ASP.NET for the Eurocontrol projects business requirements
- Maintenance and upgrade of software in Visual C++ for the company Job's & Career



**March 2001 – Feb 2002**

**Thesis**

End of Course Project for the [LAMIH](#), Valenciennes, France

(*Laboratoire d'Automatique, de Mécanique et d'Informatique industrielle et Humaine*)

Technology: Visual C++

- Development of a petri net simulator (simple or colored petri nets)
- Allow the drawing, simulation and statistics study of these networks
- Use « HTML Help Workshop » to generate the software help
- The software, developed with Visual C++, is used as an educational tool by the Valenciennes University, and as a research tool for the laboratory

### Public Speaking

I am working as a speaker in .NET technologies and agile methodologies. Thus I have given the following sessions:

Date	Attendees	Description
11/2009 (1h)	40	At <a href="#">Agile Tour Lille</a> : “Is XP only applicable on small projects?”: Presentation of our experience of using XP on a large scale project, explaining what make it a success and what may make it a failure
11/2009 (1h)	20	At <a href="#">Agile Tour Lille</a> : Open Space Discussion about testing in agile methodologies: what should we test and how?
03/2009 (1h)	60	At <a href="#">XpDays Switzerland</a> : « Creating a symbiosis between waterfall and XP tools »: Presentation of different tools we are using on a big XP project. How tools coming from the agile world can coexist with waterfall tools, and together bringing string added value. What are the traps to cope with for some of those tools?
03/2009 (1h)	30	At <a href="#">XpDays Switzerland</a> : “Return of Experience: XP with industrial dimensions”: After three years on an eXtreme Programming project ( <i>even if its dimension – 10.000jh – would classify it as a waterfall one</i> ), I present here our experience. How the thirteen practices of XP have been put in place on the project, and which difficulties we have encountered on each of those.

As a .NET expert in Thales Services, I have also prepared and given the following talks inside of my company:

Date	Attendees	Description
03/2008 (2h30)	15	“.NET Framework 3.5 – The main syntax evolutions” : description in detail of all the syntax evolution in .NET 3.5, what do they bring, which limitation, why have they been added, when to use or not to use them
08/2007 (1h30)	15	“Hacking & Securing an ASP.NET website : POST Attack” : Description of possible POST attacks techniques on ASP.NET websites, explanation of protections “out of the box” of the .NET



		framework, and addition of new protections
04/2007 (2h)	10	« Testing in the DH2 project » - <b>Presentation done to the FOREM</b> (Charleroi): Presentation of our use of continuous integration and automated testing in the DH2 project. Comparison with the ONE project of Thales Services
04/2007 (2h)	11	“.NET Essential Tools” : Presentation of the most interesting and essentials tools and libraries from the .NET community to improve development homogeneity and quality
11/2006 (2h)	10	Recall on the <i>delegate</i> , in depth-workshop on the anonymous methods and introduction to lambda methods
08/2006 (½ day)	11	Presentation of Visual Studio 2005 and of the .NET framework 2.0
07/2005 (2h30)	15	Creation of a <a href="#">workshop</a> : General presentation of .NET and its internal architecture, Confrontation between VB.NET and C# (differences between the languages, limit of interoperability, pros and cons of each language, ...)

#### Articles

Date	Pages	Description
06/2009	68	At <a href="#">developpez.com</a> : Presentation of the continuous integration in the Microsoft.NET world – Part 2. Detailed presentation of MsBuild and TfsBuild
03/2009	42	At <a href="#">developpez.com</a> : Presentation of the continuous integration in the Microsoft.NET world – Part 1. Detailed presentation of MsTest and Static Code Analysis

#### Education

Date	Jours	Description
09/2009	1	<a href="#">CITCON</a> 2009 in Paris (Continuous Integration & Testing Conference) : Open-Space discussion oriented on continuous integration & testing knowledge sharing
03/2009	1	<a href="#">Xp Days Switerland</a> 2009 : Conferences oriented on sharing experience about agile methodologies (XP and Scrum) and testing
03/2009	3	Conference « Tech Days 2009 » focusing among others on .NET 4.0, Cloud Computing, agile methodologies and the most highlighted frameworks (ASP.NET MVC, Silverlight, Dynamic Data, ...)
03/2009	1	« Public Speaking » by <a href="#">Progress In Mind</a> : Discovery and practice of the communication techniques
08/2008	2	First <a href="#">International SOA Symposium</a> in Amsterdam focusing on SOA techniques and evolutions
08/2008	1.5	<a href="#">CITCON</a> 2008 in Amsterdam



03/2008	3	Conference « Tech Days 2008 » : Several highly technical session targeting MVC framework, AJAX, DSL, Silverlight, Dynamic Data and much more
10/2007	1.5	<a href="#">CITCON</a> 2007 in Brussels
03/2007	3	Conference « Dev & IT Pro Days 2007 » : Focusing on .NET 3.0, AJAX, WPF and WPF/E, WCF, CardSpace and LINQ
11/2006	1	Conference « Ready for a new day » : Presentation of Windows Vista, Office 2007 and Sharepoint 2007
04/2005	1	Conference « C# & Windows Forms On Tour » : Presentation of .NET framework 2.0 related to Windows applications, presentation of the C# language enhancement
01/2005	1	Conference « ASP.NET 2.0 On Tour » : Presentation of .NET framework 2.0 related to Web applications, migration of applications from 1.1 to 2.0
01/2005	2	Conference « Dev & IT Pro Days 2005 » : Presentation of .NET framework 2.0, Visual Studio .NET 2005 and Visual Studio .NET Team System 2005
07/2002	4	Training « WebMethods Business Partner integration for developers »
2001		<b>TOEIC</b> (Test Of English for Internal Communication – <a href="http://www.toeic.com">www.toeic.com</a> ) Score of 890
1999/2002	2	<b>ENSIAME</b> (Ecole Nationale Supérieure d'Ingénieurs en Informatique Automatique Mécanique énergétique et Electronique) (Former known as <b>EIGIP</b> : Ecole D'Ingénieurs en Génie Informatique et Productique – High School specialized in IT productics and automation)

### User Group

I'm also an active participant in Belgium User Groups and assisted to the following sessions:

11/2009	<a href="#">VISUG</a> : by Jonathan “Peli” de Halleux presenting Pex, Stubs & Moles
10/2009	<a href="#">VISUG</a> : by Dino Esposito presenting C# 4.0 Code Contracts
09/2009	<a href="#">VISUG</a> : by Brad Abrams presenting the Framework Design Guidelines
06/2009	<a href="#">VISUG</a> : by <a href="#">Ivan Porto Carero</a> presenting IronRuby
06/2009	<a href="#">VISUG</a> : by <a href="#">Yves Goeleven</a> presenting the concept of Domain Driven Design
01/2009	<a href="#">VISUG</a> : by <a href="#">Juval Lowy</a> presenting the .NET Service Bus
12/2008	<a href="#">VISUG</a> : by <a href="#">Kurt Claeys</a> presenting the entities mechanism in WCF, and how to create distributed applications using WCF and Entity Framework
11/2008	<a href="#">VISUG</a> : by <a href="#">Peter Gheysens</a> presenting Visual Studio 2010
04/2008	<a href="#">VISUG</a> : by <a href="#">Juval Lowy</a> presenting in detail WCF and what it brings to the standard client server programming model



#### Miscellaneous

- Author of the technical blog [www.pedautreppe.com](http://www.pedautreppe.com)
- Writer on [www.developpez.com](http://www.developpez.com) : <http://pedautreppe.developpez.com>
- Cinema, Karate
- One of the founder of the user group DotNetHub – [www.dotnethub.be](http://www.dotnethub.be) – targeting the .NET technologies and the Agile methodologies