

Senior .NET Developer

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Professional Experience

Senior IT Freelance Consultant at Deloitte (November 2015 – September 2017)

Team lead, architect and senior developer for Tax & Legal projects at Deloitte.

- VAT Analytics Tool
Architect and team lead as well as senior developer on a VAT Analytics tool where the customer can upload its Master Data Files (Customers, Suppliers, Materials) as well as transactional data. The data is then processed with Data Quality Checks to see if the data provided by the customer present some errors or issues. The result of the analysis is then sent to Qlik Sense to present the reports with a good looking dashboard.

The main challenge of the project was to support big data files for transactional data. Those kind of files can contain millions of rows and can go up to 4 GB. Also, doing the analysis of the data and the generation of the reports needed a lot of measurements and optimizations.

When I took over the application it was very old. It was coded with old Asp .net Webforms. So my team, slowly migrated the different parts of the UI with Asp .net MVC and JQuery using Typescript.

For the server side, the application use dependency injection for the repositories and business logic and we use Xunit to do the different unit tests. The logic is then exposed with WCF.

For complex parts of the application that need a lot of business changes, we use Workflow Foundation so we can quickly adapt the changes required by the business team.

Senior .net developer/architect at Sharpdev (April 2012 – November 2015)

In charge of the analysis, architecture, development of applications using Microsoft technologies. Responsible for team leading, coaching and planning. I mainly worked at Toyota Belgium where my team was responsible for the development of custom internal .net applications.

- Integration of internal applications with SAP CRM
Architect and team lead of a custom workflow that integrate different types of daily batches and internal applications into SAP CRM.

The workflow was developed with Windows Workflow Foundation. It uses a

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common SQL database to be able to work with different data sources. The workflow was also responsible for the deduplication of customers by calling third party web services as well as the insertion/update of all the data related to customers and automotive information to SAP CRM.

This project took 1 year and half to develop due to the complexity of the different flows and the different actors involved in the project.

Senior .net developer at LBi Belgium (April 2003 – March 2012)

In charge of the analysis, architecture and development of large web applications using Microsoft technologies. Experience in team leading, coaching, planning follow-up and IT processes definition.

- Kraft Foods CMS platform
Architect on the new CMS platform that will be used by Kraft foods to create the websites of their various brands. The platform is based on Sitecore 6.5 and is implemented in partnership with Lbi Germany. Unlike standard projects, the multiple components of the platform must be the most generic possible because they will be used by different web agencies around the world to produce specific content for each brands.
- Bpost HR Intranet
IT analysis, architecture, co-lead and development of the new Bpost HR intranet in SharePoint 2010. This project has a lot of complex workflows and is daily used by all the employees of Bpost.
- Ipictu
IT analysis, architecture, lead and development of a picture shop e-commerce website in which independent photographers can create their galleries to sell pictures to customers. The website allows photographers to manage their profits efficiently.
The website has been developed in Asp .net MVC 2, Silverlight 3.0 and use all the power of Windows Azure.
- Electrabel
Lead and development of a calculation engine in C# for the Electrabel Energy Audit Application. The calculation engine is a Service Oriented Application (SOA) used by a custom Adobe Flex frontend. The calculation engine is also responsible of the generated PDF audit document that will be delivered to the customer.
- Toyota Europe
IT analysis, architecture, lead and development of the Toyota Europe main corporate website. The website was developed in Microsoft SharePoint 2007. (<http://www.toyota.eu>)
- Loterie Nationale
IT analysis, architecture, lead and development of the Loterie Nationale website. The website uses Tridion CMS and was developed with performance as a primary focus. Team lead on a 4 person's team and Tridion formation instructor to the customer.
- Toyota Belgium
Development of an offer generator for Toyota dealers with SAP and Siebel integration.
Developments and support on the Toyota Belgium extranet.
All the developments were done inside Toyota Belgium during 2 years.

- BMW
Development of a custom CMS for the new dealers' websites.
- D'ieteren
Development of some modules in MCMS 2000 for D'ieteren extranet.
- ARC Europe
Development of custom business applications.
- LBi
Development and analysis of a custom CMS product for LBi. This CMS has been successfully used for multiple small websites.

Bureau Van Dijk Electronic Publishing (August 2002 – April 2003)

Developer in the internet branch of Bureau Van Dijk Electronic Publishing. Frontend applications and business back ends were developed in C++/Managed C++, C#, Microsoft Access 2000 and SQL Server 2000.

Internship at OPNS (February 2002 – June 2002)

Development of an employee management application. Front-end was developed with Visual Basic .net. Back-end was developed with Novell portal in Java/XSLT.

Student Jobs (1998 – 2001)

- GoSport: Clothing department. (July 2001)
- Fortis Bank: Currencies department. (July 2000)
- Fortis Bank: HR department. (July 1999)
- Générale de Banque: E-Banking department. (July 1998)

Education

- Bachelor in Computer Science at Institut Paul Lambin, Brussels (1999 – 2002)
- High school at Collège Cardinal Mercier, Braine-l'Alleud.

Language Skills

- French: First language
- English: Very good level
- Dutch: Basic level

Areas of expertise

Programming Languages: C# 7.0, C/C++, C++/CX, HTML5/CSS3, F#, JavaScript/JQuery, TypeScript, SQL, VB .net, Xml, XSLT, HLSL.

Patterns: MVC, MVVM, Dependency Injection, Unit Testing (Code unit test and integration tests), Design Patterns (Gang of four)

Databases:	SQL Server 2000 – 2016
CMS:	SiteCore 6.5, Umbraco CMS 4.7, Tridion R5.2, Windows SharePoint 2007/2010
APIs:	.net Core, Asp .net Core MVC, Entity Framework Core, Asp .net MVC 5, Asp .net WebForms, WebAPI, WCF, Workflow foundation, WPF, UWP (Universal Windows App), Winform, DirectX 12, JQuery, AngularJS, Microsoft Live API, Google maps, Bing Maps.
Windows Azure:	Web Apps, Mobile Services, Storage (Table, Blob, File), DocumentDB, Events Hub.
Server OS:	Windows 20xx Server, Microsoft Azure, Linux (Basic)
Hardware:	Interest in Computer building and robotics (IOT).
Currently learning:	Docker, Roslyn, NodeJS, Angular 2, IOS development with Swift, Raspberry pi 3 development with Windows 10 IoT.

Hobbies

- Sports: Fitness, Crossfit, Yoga.
- Music, Guitar, Cinema, Books, Video Games.
- Graphics and Game programming:
 - Development of my own Game Engine that targets multiple platforms and APIs. (DirectX12, OsX Metal, Raspberry pi 2)