Frédéric Mauroy .Net Developer & Architect

General information

Born in Ath, Belgium, in 1974

Graduated from "Institut d'Enseignement Supérieur de Namur", now "Haute Ecole de Namur", in 1996: *Informatique de gestion*

Car-driving license

Certs: MCAD C#, MCSD/MCP C#, MS CRM 3

Mother tongue: French, fluent in English, notions of Dutch

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Experience

I have worked, nearly exclusively, around the Microsoft .Net framework, since 2003. I have used all versions of the framework, from version 1.0 beta to 4.6. Before that, I used ASP and VBScript, Visual Basic and C++ (MFC). I've always been involved on Microsoft platforms.

Technologies

Languages: C, C++, C# & VB.Net using Visual Studio, notions of Pascal, COBOL and Assembler;

Web development: ASP.Net, WebForms, MVC 5, HTML, CSS, XML, XSL(T), Web Services (SOAP/REST), WCF, AJAX, JSON, JavaScript, jQuery, WebAPI, Single Page Applications, AngularJS, Bootstrap…

Enterprise portals and CMS: Plumtree Corporate Portal (BEA Aqualogic/Oracle WebCenter), DotNetNuke/Evoq Content, InsiteCreation, KenticoCMS;

RDBMS: MS SQL Server (6.5 to 2016), mySQL, SQLite;

Windows applications: WinForms, WPF, console applications and Windows services;

Mobile applications: PhoneGap and Xamarin.Net on Android and iOS;

Systems management: installation and maintenance of servers, running Windows NT through 2016, installation and configuration of Active directory, DNS, MS Exchange, MailEnable, RRAS (VPN, routing), replication of files and databases, load balancing, VMWare/VirtualBox…

Microsoft CRM: customization of the interface and business objects to customer's specs;

Legacy technologies: VB6, VBScript, ADSI, SNA Server, WinDev…

Hardware: computer building and maintenance, server installation and servicing, network devices installation and configuration…

Projects

I have worked on the following projects:

- **AXA Insurances:** Maintenance of legacy applications using VB6 and Silverlight (contract proposals and wealth management), implementation of an EDI with external partner;
- **Editus SA:** participation in the several web sites of Editus (editus.lu, mybusiness.lu, good-deals.lu, myeditus.lu…) using MVC5 and WCF. Mentoring of younger colleagues and implementation of content suggestions using Azure Machine Learning;
- **Mercator ERP**: implementation of custom solutions around the ERP for clients' various needs, using C# and SQL Server. Migration of old code made in Visual FoxPro to C#;
- **Viashopia:** company administrator & chief technical officer; Installation and maintenance of the platform (Windows 2012 R2 in Azure), development of .Net web services for Windows clients in shops (fidelity cards) and mobile connections, development of mobile applications (for clients and shops), monitoring and performance tuning (with New Relic and Windows tools), maintenance of SQL Server DB, remote access through L2TP VPN, implementation of CloudFlare, migration to Azure;
- **Institut National des Langues:** maintenance of the CMS used for administering the student enrollments, courses and classes definitions… Uses ASP.Net;
- **Cobalt eMedia Solutions:** maintenance of the platform with its many web sites (configuration of IIS, DNS, SMTP, FTP, DNN, WordPress…);
- **Ministère de l'Education Nationale, Lux:** implementation of Plumtree Corporate Portal for the http://myschool.lu project, implementation of management and synchronization tools for AD and IAM, as well as development of custom portlets and customization of the platform (ASP.Net), evolution to DotNetNuke;
- **Various portals:** implementation of Plumtree Corporate Portal for Ferrero Luxembourg and Italy, EFSA (European Food and Safety Administration), Axima (Suez group)…
- **Dexia:** implementation of custom solution for archiving and filtering of emails using Windows scripting technologies on Exchange;
- **Générale de Banque:** automated installation of branch servers, involvement with the middleware team, responsible of the continuous processing and delivery of business messages of the "branch – central Windows servers – IBM mainframe" infrastructure;

Please refer to my homepage for the latest info: https://fredmauroy.net

Employers

2016 – *now* : FDLV SA: http://fdlv.com

2015 – 2016 : Editus SA: http://editus.lu

2015 – 2015 : Adeo sàrl: http://mercator.eu

2013 – *now* : Viashopia: http://viashopia.com

2005 – 2015 : Cobalt eMedia Solutions: http://cobalt.lu

2000 – 2005 : Hewlett Packard: http://hp.be

1999 – 2000 : Compaq Computers / Digital Equipment Corporation: http://compaq.com

1996 – 1999 : Générale de Banque, now BNP-Paribas Fortis: http://bnpparibasfortis.be

1996 : AGD (petite société informatique de Leuze-en-Hainaut maintenant disparue)

Interests

Computing in general, (home) cinema, photography, astronomy, environment, reading computing and scientific books and magazines, watching series (Big Bang Theory, X-Files, Fringe, Alias…)

Skills matrix

Skill	Basic	Good	Expert
ASP.net / WebForms / MVC			✓
C#, VB.Net			✓
Winforms / WPF		✓	
jQuery, jQuery Mobile, Bootstrap			✓
AngularJS	✓		
SQL Server, Transact-SQL			✓
Web Services (SOAP, REST), WCF			✓
Microsoft Azure: *VMs, Mobile Services, Websites, Databases…*			✓
Mobile applications using PhoneGap			✓
Mobile applications using Xamarin		✓	
Unit tests using Visual Studio Unit Tests	✓		
DotNetNuke / Evoq Content			✓
Plumtree Corporate Portal (BEA Aqualogic / Oracle WebCenter)			✓
Legacy techs: ASP, ADO, ADSI…			✓
Entity Framework, PetaPoco			✓
Console applications (C#), scripts (DOS, VBScript)			✓
Windows Services			✓
MS Exchange 2000, MailEnable, SMTP, IMAP, POP…		✓	
Configuration of IIS and other Windows core services (DNS, DHCP, RRAS…)			✓
Usage of various third-party .Net assemblies: *SharpZipLib, Telerik, ComponentArt, NLog, Aspose, iTextSharp…*			✓

Not finding a skill you were looking for? Please let me know, I may have forgotten to include it, or I'll put it on my "skills to learn" list…

Miscellaneous

- Member of Mensa Belgium (the high IQ society)
- Technical reviewer on Packt book "Xamarin Cross-platform Application Development - Second Edition" by Jonathan Peppers – *ISBN 9781784397883* : https://www.packtpub.com/application-development/xamarin-cross-platform-application-development-second-edition
- Technical reviewer on Packt book "Xamarin Mobile Development for Android Cookbook" by Matthew Leibowitz – *ISBN 9781784398576* : https://www.packtpub.com/application-development/xamarin-mobile-development-android-cookbook
- Technical reviewer on Packt book "Cross-platform UI Development with Xamarin.Forms" by Paul F. Johnson - *ISBN 9781784391195* : https://www.packtpub.com/application-development/cross-platform-ui-development-xamarinforms
- Completed several online courses on edX around astrophysics. See the complete list at the bottom of this page: https://mauroy.eu/#resume

Biography

I bought my first computer at age 12 and directly got hooked on programming, in basic at the time. I naturally pursued education in the IT domain, and acquired a degree in Business Computing ("Information de gestion", Haute Ecole de Namur). I intended to continue pursuing an IT license at "Facultés Notre Dame de la Paix" in Namur, but after participating in a contest in the middle of my last year, I got selected by a head hunting company to work for "Générale de Banque" in Brussels. I accepted this opportunity to work for the bank, where I joined a team responsible for automating the installation of the new PCs (running Windows NT 4) to all branches of the bank. I then joined another team specialized in middleware, integrating the PC network with the central mainframe…

At the bank, I made the acquaintance of external consultants working for Digital Equipment Corporation, at the time of the merger with Compaq, and they made me aware of opportunities in their new services entity. I soon departed to this company and worked initially on Microsoft Exchange and Compaq Work Expeditor, a workflow add-on to Exchange. Unfortunately for this product, improvements to Exchange made it redundant. Nonetheless, this experience with the Microsoft flagship mail system got me noticed, and allowed me to work in BIL/Dexia (in Luxembourg) with their messaging team, at first for a few months. Having shown good practical knowhow, the local team (Compaq Luxembourg) proposed to join their rank on a permanent basis, which I accepted in the beginning of 2000.

I continued this project for a while, when the opportunity to work on enterprise web portals came along. I didn't think twice. The proposed platform was Plumtree, a leader in the segment at the time. I worked on this platform for several clients, among them being the MEN (Ministry of Education) and Ferrero. I installed and configured the product, making changes for accommodating client requirements and implementing missing functionalities. The first version I used (3.5) was built on Microsoft ASP, and the extensions I implemented, gadgets, were also made using this technique. The following versions evolved to MS .Net, and I migrated the principal add-ons to this platform as well, in 2003. My main development was the construction of a CMS for the portal, which didn't exist in the product. That CMS evolved in the "mySchool web factory" later on, providing an easy way for

students and teachers alike to publish to their heart's content. Thousands of webfolios, as we call them, were created. The platform was also used for the eBac project: http://ebac.lu

Other projects I worked for included navigation tools (easy generation of menus by end-users for portal-wide navigation), user creation and synchronization scripts and services, authentication modules, PDF-generation routines, a replacement of Exchange with a custom SMTP-centered dotNet gateway (with processing rules for dynamic distribution lists), no name a few.

Lately, the Plumtree portal being let down by its several acquirers (BEA then Oracle), I proposed to migrate to the DotNetNuke platform. This migration is ongoing…

The development team was composed of me at the beginning, later joined by another dotNet developer I helped put on track. An intern spent a few months on a small project, under my lead. A third came along, but didn't stay more than a couple of years. All developers were responsible of their own projects, working solo.

I also worked on many smaller projects for Cobalt eMedia Solutions. As a web agency, we have several custom-made web sites, with or without databases, and use mainly two CMSes: InsiteCreation and DotNetNuke, both running on .Net. I installed the servers (most of them in VMs), configured IIS, the SMTP and other mail services, the backups and other maintenance tools, SQL Server (with replication), Active Directory, point-to-site and site-to-site VPNs…

I'm interested in everything technical and I learn fast. I'm adaptable and not afraid of a challenge. I welcome varying environments and team spirit.