Badr CHOUFFAI

IT Projects Manager and Technical Leader
Microsoft .NET Senior Software Architect
Microsoft Certified Professional (MCP)
16 years of experience in software engineering.

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PROFESSIONAL SKILLS

IT MANAGEMENT:

Project management, planning and technical supervision.
Business requirements analysis and technical specifications.
Functional and technical specifications writing.
Applications architecture definition.
Design and development of complex business modules.
Software development quality standards definition.
Proof of Concepts design and development.
Software quality processes definition and Implementation
IT Projects deliverables follow-up.
Code review.

FUNCTIONAL:

Medical.
Telecom.
Energy.
Industrial Mobility.
Transport and logistics.
Internet and E-business services.
Banks, Finance and Insurance.
Human Resources: Recruitment Process. Annual assessments (EAE).

METHODOLOGY:

Project management, planning and technical supervision.
Agile and Scrum processes implementation.

HIGHLIGHTS

Certified Microsoft (MCP) in .NET development since 2004.
MCP ID #: 3212859.
Trilingual with good English skills.
Strong experience in Offshore Projects Management (+2.5 years)
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TECHNICAL SKILLS

FRAMEWORKS :
.NET Framework 3.5
.NET Framework 4.0
.NET Framework 4.5
Mono .NET

SOFTWARE LANGUAGES :
C #
VB.NET

WEB LANGUAGES :
ASP.NET
PHP
HTML - CSS
JavaScript - Jquery
XML, XSL, XSLT

DBMS :
Microsoft SQL Server
Microsoft SQL Azure
Microsoft Reporting Services
Oracle
MySQL
PostgreSQL
SQLite
Cassandra

ENVIRONMENTS :
Microsoft Visual Studio 2017
Microsoft Visual Studio 2010
JetBrains PhpStorm
JetBrains Rider
MonoDevelop

CONTINUOUS INTEGRATION :
Microsoft Team Foundation Server TFS
Visual SVN Server
Microsoft Visual Source Safe
Subversion

OPERATING SYSTEMS :
Microsoft Windows 10
Microsoft Windows Server
Ubuntu Server
Elementary OS

WEB SERVER:
Microsoft IIS
Nginx
Apache

INTERNET MARKETING:
Google TOP 10 Ranking
Search Engine Optimization (SEO)

PROFESSIONAL EXPERIENCES

Rimowa Gmbh - LVMH Group, Köln - Paris
IT Project Manager - Software Architect & Tech. Leader.
6 months

Project: Repair Management System (RMS)

1. The Repair Management System (RMS) is the extranet of Rimowa.com. Hosted on the **Microsoft Azure Cloud**, the RMS is a global / Worldwide business application used by Rimowa Luggage Repair Center agents.

The Repair Management System (RMS) is the result of an analysis and a review of different applications used in the past by the different Rimowa workshops worldwide: Köln, Hong Kong, Brazil, and Paris...

The RMS is a universal solution with input assistance with a tunnel effect to limit input errors.

The Repair Management System (RMS) is interfaced with Rimowa's information systems: CEGID, Infolog, and SAP. This allows a 360 ° view of the stock of spare parts and replenishment of spare parts anticipation.

- ❖ Definition of Project Epics, MMFs and Use Cases.
- ❖ Writing the unified business process of the solution.
- ❖ Definition of priorities and project sprints.
- ❖ Negotiating IT estimates (Bulgaria) & Project Budget.
- ❖ Writing functional analysis and technical specifications.
- ❖ Drafting of the Technical Architecture Document.
- ❖ Project reporting to the PO & Business Partners.
- ❖ Project reporting to CTO & Rimowa Project Manager.
- ❖ Technical leadership for IT Team: **Offshore team in Bulgaria**
- ❖ Definition of the technical architecture of the .NET solution.
- ❖ .NET Solution Development standards setup.

Technical environment:

Microsoft Visual Studio 2017, Microsoft Azure, Microsoft SQL Azure, Microsoft Azure Jobs, Microsoft SQL Server, Team Foundation Server (TFS), Visio, Resharper, SonarQube, Entity Framework.

AXA, Nanterre - *.NET Senior Architect & Technical Leader*
2 years and 5 months.

Projects: FrontGED - PDF Invoice - DEMAT CG

1. FrontGED is AXA's electronic document management (EDM) application. It is an extranet used by all AXA's agents to access and enrich electronic documents.

2. PDF Invoice is a distributed batch system that allows AXA suppliers to send invoices directly by email. This system reduces invoice processing times and

supplier payment delays. The PDF Invoice engine reduced the invoices billing processing of by ~ 87% in one year.

3. DEMAT CG is a Web Widget application that integrates with other AXA information systems and extranets. It is used to "*dematerialize*" the general conditions and the AXA products documentation.

♣ The DEMAT CG application won the 4th prize "Jury's favorite project" for all AXA applications developed in 2018.

4. In addition to the above projects, I was responsible for the role of "NPI Pilot - New Engineering Practices AXA France" within the NPI IWN AXA Committee. The objective was to evaluate, with other NPI pilots, existing engineering practices and to suggest new methods and processes to improve the technical and qualitative efficiency of applications and reduce their time to market.

Technical environment:

Visual Studio 2015, .NET 4.6, Microsoft Azure Cloud, Jquery, Json, Web API 2, MVC 5, C #, VB.NET, Application Insight, SQL Server 2014, SQL Azure Database, LINQ, Swagger, Visual Studio Team Service, GitHub, Agile: Scrum and Kanban.

Medinet, Lyon - *Technical Project Manager - Web Architect*
11 months.

Project: Medinet - Medical Classifieds on the Internet.

1. Conception and realization of Medinet.fr - Medical Classifieds: A service of medical and paramedical ads for the medical and paramedical professions: medical employment, medical replacement, nursing job, transfer of cabinet, transfer of customers, employment, etc. This solution was done in Responsive mode for optimal display on different devices.

Technical environment:

Microsoft Visual Studio 2013 - Mono .NET - Microsoft SQL Server MySQL - Nginx - C # - ASP.NET - .NET Web Services.

Caisse D'Epargne, Lyon - *.NET Architect & Scrum Master*
11 months.

Project: Caisse d'Epargne Web Portail 2.0

1. Assistance to ITCE in the migration of its caisse-epargne.fr portal to a new platform with the implementation of E-commerce forms focused on mobility (Responsive) and security vulnerabilities fixes of the Caisse d'Epargne web portal.

- ❖ Implementation of the "Scrum" methodology for an efficient collaborative work between IT teams [Microsoft .NET - EzPublish].
- ❖ Support of ITCE in the migration of its portal Caisse-Epargne.fr to a new EzPublish platform.
- ❖ Implementation of E-commerce forms in "Responsive" mode allowing the online processing opening of banking services: Livret A, Livret Jeune etc.

- ❖ Fixed security vulnerabilities on the existing portal.
- ❖ Reporting of the progress of the project.
- ❖ Definition of the project priorities and project sprints.
- ❖ Technical management of the .NET team.
- ❖ Development of e-commerce forms in ASP.NET MVC.
- ❖ Fixed security vulnerabilities of the web portal.
- ❖ Development of .NET/REST Web services allowing a data exchange between the .NET Backend and the frontal one: EzPublish (PHP).

Technical environment:

Microsoft Visual Studio 2013 - Mono .NET - Microsoft SQL Server MySQL - Nginx - C # - ASP.NET - .NET Web Services.

UCF & Orange Business Services, Lyon - *Technical Project Manager & Scrum Master.*

6 months.

Project: Technical review of the UCF core business application.

1. Technical leadership for **Union of Caisses de France (BTP)** core business application.

- ❖ Technical analysis of the quality of the existing code.
- ❖ Analysis of the optimizations of the existing application.
- ❖ Definition of the project priorities and project sprints.
- ❖ Writing Project Reporting Documents.
- ❖ Technical management of the team.
- ❖ Implementation of the "Scrum" method for collaborative work.
- ❖ Writing of good coding practices and team training.
- ❖ Reporting of the progress of the project.
- ❖ Establishment of a continuous integration environment (TFS) and automated testing (Microsoft Test Center).
- ❖ Training teams to use TFS in Microsoft Visual Studio.
- ❖ Development of modules allowing a control of the good use of the layers software: Microsoft Visual Studio plug-in prohibiting the bad references between projects.
- ❖ Code review and improved response times of the application.
- ❖ Development of an automatic .NET code corrector.
- ❖ A tool to identify lines of code that do not respect good coding practices and correct them if possible.
- ❖ Development of the new Windows application.
- ❖ Unit tests and application deployment.

Technical environment:

Microsoft Visual Studio 2013 - Microsoft TFS 2013 - Microsoft Test Center. C # - WinForms.

France Telecom Service Center at Astek (ESN), Lyon
.NET Architect.

11 months.

Project: ASPIN France Telecom.

1. ASPIN project is a business core application for France Telecom. The application is used to manage and synchronize huge phone numbers data between France Telecom and other telephony operators. Written in Framework .NET 2.0, I used to estimate, study and ensure a soft and bugs free migration from the Framework .NET 2.0 to the Framework .NET 4.0.

- ❖ Estimation of the business impacts and technical risks of technical migration of the ASPIN application from the .NET 2.0 Framework to 4.0.
- ❖ Drafting of reports on identified technical risks of the technical migration of the ASPIN application.
- ❖ Supervision of .NET consultants for the use of coding best practices in the Microsoft Visual Studio environment.
- ❖ Development of tools to compare the results of the migrated solution with those of the existing solution.
- ❖ Development of common libraries to improve code quality, maintainability indices and simplify application maintenance of the solution.
- ❖ Unit tests and application deployment.

Technical environment:

Microsoft Visual Studio 2005 - C # - ASP.NET - WinForms - Microsoft SQL Server 2008.

Hubone - No. 1 in industrial mobility in France, Lyon
.NET architect.

10 months.

Project: Embedded TNT Express Engine.

1. Architecture, design and implementation of a mobile application generator and development of Back Office for Hubone customers.

The application generator is multiplatform and allows you to define mobile applications and their interactions in XML files. The XML files are interpreted by embedded engine which allows displaying the final application.

- ❖ Technical study and estimate of an XML embedded interpretation engine. An application whose technical and logical behaviors are defined and updated via an XML feed. This XML feed is updated via an Internet connection (Wi-Fi - 3g - 4G).
- ❖ Drafting of technical specifications of the embedded engine.
- ❖ Wrote the "Developer Guide" of the embedded engine.
- ❖ Developed the POC for **TNT Express** based on the XML embedded engine.
- ❖ Developed a set of .NET libraries (Custom OOP Framework) to improve the code quality, maintainability indexes and simplify maintenance.

- ❖ Analyzed and improved the response times of some Windows Mobile 6.5 applications: **Morin Logistic, STVA, Sarenza, and Spartoo**.
- ❖ Developed of a Web BackOffice for creating and managing applications for the embedded interpretation engine.
- ❖ Unit tests and application deployment.

Technical environment:

Microsoft Visual Studio 2008 - C # - ASP.NET - Microsoft SQL Server 2008. Windows Mobile 6.5 - Microsoft Windows CE - Web Services .NET

Fiducial, Lyon - *Technical Project Manager & Scrum Master.*

6 months.

Project: Fiducial Configurator.

1. The Fiducial Configurator: A WPF application allowing Fiducial salespeople to make commercial proposals relating to Fiducial services and products in offline mode.

- ❖ Writing functional analysis and technical specifications.
- ❖ Drafting of the Technical Architecture Document.
- ❖ Writing Project Reporting Documents.
- ❖ Technical leadership and management of the IT team.
- ❖ Definition of the project priorities and project sprints.
- ❖ Monitoring and Reporting of the project progress.
- ❖ Unit tests and application deployment.

Technical environment:

Microsoft Visual Studio 2010 - C # - ASP.NET - .NET Framework 4.0. Windows Presentation Foundation (WPF) - Silverlight - Microsoft IIS. Microsoft SQL Server 2008.

RTE - EDF, Lyon - .NET *Technical Leader & Scrum Master.*

6 months.

Project: RTE Vegetation Monitoring Application.

1. Design and development of applications for managing and monitoring the impact of vegetation around the pylons of the high voltage transmission lines of the RTE electric transmission network.

- ❖ Writing functional analysis and technical specifications.
- ❖ Drafting of the Technical Architecture Document.
- ❖ Technical supervision of the IT team.
- ❖ Definition of the project priorities and project sprints.
- ❖ Unit tests and application deployment.

Technical environment:

Microsoft Visual Studio 2005 - VB.NET - .NET Framework 3.0 - Oracle.

CIRTIL - URSSAF, Lyon – *Technical Project Manager.*

24 months.

Project: CIME .NET.

1. Implementation of the first version of CIME, an application to index and synchronize URSSAF documents between Automatic Document Reading (ADR), Electronic Document Management (EDM) and Electronic Documents Signing solutions (SAEL).

- ❖ Writing of the functional analysis and the technical specifications
- ❖ Writing of the Technical Architecture Document
- ❖ Writing of the project's reporting documents
- ❖ Technical management of the IT team
- ❖ Definition of the project's priorities and project sprints.
- ❖ Implementation of monthly management meetings with the URSSAF
- ❖ Development of the application components
- ❖ Development of data exchange interfaces via Web Services allowing the secure data exchange with other information systems URSSAF in different formats: XML and Json
- ❖ Unit testing and application deployment.

Technical Environment:

Microsoft Visual Studio 2005 - C # - .NET Framework 2.0 - Spring Framework. Nhibernate - Mono Framework - PostgreSQL - MySQL, PHP 5 - ExtJs Library - SOAP Web Services.

Fiducial, Lyon - *Senior .NET Consultant.*

12 months.

Projects: Fiducial GED Extranet - Fiducial RH - Fiducial.biz

1. Fiducial GED Extranet is a GED Web application allowing employees of the Fiducial Group to exchange documents digitally.

- ❖ Writing functional analysis and technical specifications.
- ❖ Drafting of the Technical Architecture Document.
- ❖ Development of the components of the Fiducial Electronic Document Management (EDM) application.
- ❖ Unit testing and application deployment.
- ❖ Development of a specific XML parser for the integration of Collective Agreements in the Intranet.
- ❖ Development of new HR modules of the Intranet.
- ❖ Migration of the portal Fiducial.biz from ASP 1.0 to ASP.NET.

Technical environment:

Microsoft Visual Studio 2005 - C # - .NET Framework 2.0 - Spring Framework. Nhibernate - MONO Framework - PostgreSQL - MySQL, PHP 5 - ExtJs library. SOAP Web Services.

Sanofi Aventis, Lyon - *Senior .NET Consultant.*

12 months

Project: SHI - Sanofi Industrial Hygiene.

1. Technical design, development, implementation of the technical architecture, and support for the implementation of the application of Digitalized Management of Industrial Hygiene Analysis (SHI).

The SHI application allows the Industrial Hygiene Service to analyze the exposure of operators to active ingredients with a significant risk factor. It manages the life cycle of the analysis bulletins, as well as the validation workflow and generates all associated PDF documents.

- ❖ Writing functional analysis and technical specifications.
- ❖ Drafting of the Technical Architecture Document.
- ❖ Writing Project Reporting Documents.
- ❖ Technical management of the team.
- ❖ Definition of the project priorities and project sprints
- ❖ Unit testing and application deployment.

Technical Environment:

Microsoft Visual Studio 2003 - .NET Framework 2.0 - C # - ASP.NET - UML - Oracle 9i - PL / SQL - Microsoft Visual Sourcesafe.

Orbit Communication Corp., Boston & Casablanca
Software Architect & *Technical Leader*

24 months.

Projects: Multiple IT Projects.

1. Writing of functional and technical specifications, project monitoring, weekly planning, technical supervision and IT project management of the IT team of the **Orbit Communication Corp Casablanca Office**.

2. Administration and security of the computer park in Casablanca. Study and implementation of Windows / Unix multi-platform web hosting solution. Study and implementation of a SQL Server 2000 backup solution on US sites Migrations of Web Production Servers from the E-business platform to Microsoft Windows Server 2003.

- ❖ Writing of functional analysis and technical specifications.
- ❖ Writing of the Technical Architecture Document.
- ❖ Writing Project Reporting Documents.
- ❖ Technical management of the team.
- ❖ Definition of the project priorities and project sprints.
- ❖ Administration and security of the computer park in Casablanca.
- ❖ Estimate and implementation of Windows / UNIX multi-platform web hosting solution.
- ❖ Estimate and implementation of a multi-site backup solution for Microsoft SQL Server databases.

- ❖ Migration of Web Production Servers from the E-business platform to Microsoft Windows Server 2003.
- ❖ Development of the E-commerce components of the 400 Orbit Communication Corp. websites (**TiVo Ecommerce web sites**)
- ❖ Development of online booking: AirCharter.com
- ❖ Unit tests and recipe of different applications developed.
- ❖ Production deployment of the various applications developed.

Technical environment:

Microsoft Visual Studio 2003 - .NET Framework 1.1 - C # - ASP.NET - VB.NET. Microsoft Sourcesafe - LLBL Gen Pro - Embarcadero E / R Studio - Microsoft SQL Server 2000 - Microsoft ISA Server - Plesk Parallels Parallels - Plesk Billing - Microsoft Exchange.

EDUCATION

MCP Center, Casablanca - *MCP Certification in .NET*

May 2004

Microsoft Certified Professional (MCP) Development and implementation of Web application with Visual Studio.NET. MCP ID #: 3212859.

Faculty of Science and Technology, Mohammedia
Master of Science and Technology - Option: Software Engineering.

1999-2000

Faculty of Science and Technology, Mohammedia
Diploma of General University Studies (DEUG).

1995-1997