



[Home Page](#)

## SOFTWARE ENGINEER

Mobile:078 932 05 08

[ernest.morariu@gmail.com](mailto:ernest.morariu@gmail.com)

Results oriented and intellectually curious, always enjoying the latest technology and methodologies. Like working with a team to accomplish more with less. Inquisitive in understanding a problem from the ground up so that it can be solved in such a way that it doesn't need constant revisiting or re-engineering.

### AREAS OF EXPERTISE:

- Microsoft Certifications:**
- [MCPD WebDeveloper](#) (C#), [MCPD WinDeveloper](#) (C#), [MCPD Enterprise Application Developer](#) (C#)
  - [Completion Certificate](#) of the course *Delivering Agile Projects with SCRUM* from George Washington University.

**Platforms:** IIS 6-7.5, Windows XP, Vista and 7, Windows Server 2008, Linux

**Languages:** C#, VB.NET, JavaScript, XAML, HTML, CSS, XML, HL7 (Health Level Seven), C++

**Technologies, Patterns & Methodologies:** NET Framework 1.x – 4.5, Design Patterns, SOLID Patterns, Object Oriented Design & IoC(NInject & Spring), Multithreading, WCF, Socket Communication, Message Communication Patterns, GoogleProtoBuffer, ICE, TIBCO, ADO.NET, Entity Framework, WPF, Silverlight, .NET Remoting, LINQ, Windows Forms, [DevExpress Components](#), [Synfusion Pdf Components](#), Infragistics Components, Windows Services, Testing(NUnit & MOQ), Profiling, WPF&MVVM, UML, Agile(SCRUM), Waterfall Programming Model(V-Model), ASP.NET, MVC, JQuery

**Databases:** Oracle 10G, PL-SQL(stored procedures included), Toad for Oracle, SqlServer 2008, T-SQL(stored procedures included), SqlServer CRL Integration, MySQL

**Tools:** Visual Studio 2008-2010-2013, TFS(Team Foundation System), Subversion(SVN), Microsoft Visio, Microsoft Office, TeamCity, JIRA, Confluence, Service Now, PowerShell.

## PROFESSIONAL EXPERIENCE

### CREDIT SUISSE

2015 Jan- present

**Role:** C# Solution Engineer(as contractor) in IRMA(International Rating Models Application)

- Designed and implemented Private and Investment Banking Counterparty Rating Models in IRMA.
- Designed, developed and tested IRMA integration services with other Credit Suisse systems.
- Took care of packaging and deploying of IRMA system components.
- Documented the system components.
- Cooperated closely with the infrastructure team members, Functional Architect, Software Engineers, IT Owner, Requirements Engineers, Test Engineers and IT Project Manager.

**Technologies, tools and methodologies used:** Visual Studio 2010, ASP.NET, JavaScript, Fiddler2, WCF, Entity Framework, Socket Communication, Unit Testing, .NET Reflector, IIS 7.5, SqlServer, Tectia, SVN, Waterfall, Outlook, Lync, Word, Excel.

### BARCLAYS INVESTMENT BANK

2012 April – 2015 December

*Investment Bank is the division of Barclays that assists individuals, corporations, and governments in raising capital.*

**Role:** Senior Software Developer(employee), Equities- High Touch Trading.

*(International working environment, team spread all over the world: New York, London, Prague, Kiev and Singapore)*

Responsible for designing, implementing, testing and documenting a WPF desktop application that connects to (Java)backend services for monitoring the real-time financial transactions of the clients, in the Back Office realm of the company.

Worked in parallel on a second project based on ASP.NET-MVC. Responsible for designing and implementing Users & Authorization Management for the system.

**Technologies, tools and methodologies used:** Visual Studio 2010, C#, .NET4.0, WPF, Silverlight, Multithreading, Infragistics Controls, IoC(Spring), TIBCO, ICE, ProtoBuffer(Google), Zookeeper, PowerShell, UnitTesting(NUnit&MOQ), MVVM, ASP.NET, MVC, jQuery, jQueryUI, Fiddler2, HTML, CSS, Subversion, PuTTY, Team City, AppSync, JIRA, SCRUM, Software Development Life Cycle, Service Now, Confluence, Outlook, Word.

### YUMEZ LTD, Monza, Italy

2010 April – 2012 March

*Yumez is a startup company born in 2010 with the challenge of creating an innovative hand-held, low cost, state-of-the-art, 12-leads electrocardiograph(named ECG4U) having the quality equivalent to that of the top ECG devices*

used in hospitals. This device can be used by both cardiologists and patients. The patients upload their ECGs to company's servers and get back the diagnostic results from the cardiologists associated with the company's service.

**Role: Senior Software Engineer**(as freelancer)

Responsible for creating the entire software infrastructure that supports the service associated with the device ECG4U.

#### **Selected Achievements**

- Analyzed, designed, implemented and tested the desktop applications - PhysicianClient and PatientClient - in order to support the communication with the device via USB and to represent graphically the ECG signals for analyses and diagnostic purpose.
- Designed and created a scalable service infrastructure as support for the communication between the patients and the physicians associated with the service.
- Participated in writing the documentation necessary for CE-Mark of Class II Medical Device under ISO-13485, UNI-EN-60601-1 and Risk Management under ISO-14971.

#### **Technologies and methodologies used**

Visual Studio 2010, C# and .Net Framework 4.0, Socket TCP, Encryption, SOA, Object Oriented Design, IoC(NInject), Multithreading(TPL & PLinq), Entity Framework, LINQ, SQL-Server 2008, WindowsForms, XML, USB Communication API, PayPal API, Syncfusion PDF Components, Performance Counters, UnitTesting(NUnit&MOQ), VS Profiling Tools, Subversion(SVN), ClickOnce, UML, Microsoft Visio, Documentation Tools(Sandcastle), ECG Signal Processing Algorithms, Waterfall Methodology(V-Model), PowerShell.

#### **DELTATRE S.P.A, Turin, Italy**

2008 March – 2010 March

*Provide integrated information systems and applications for sport environments like FIFA & UEFA.*

**Role: Senior Software Engineer**(as freelancer)

Member of the Common Software Infrastructure Team – a special elite group charged with analysing, designing and implementing the common software modules for use by all the company's projects.

#### **Selected Achievements:**

Analysed, designed, implemented and tested the “transport bus” support for communication between the nodes of a generic and complex SOA communication framework. Also analysed and created the generic storage support for the nodes of the same framework.

#### **Technologies and methodologies used**

Visual Studio 2008, C# & .NET Framework 3.5, WCF, Socket TCP, Multithreading, SOA, OOP, Message Based Communication, Performance Counters, SQL-Server 2008, XML, UnitTesting(NUNIT), ProfilerTools(ANTS), Team Foundation System, Agile Development(SCRUM), IIS, WPF & MVVM(ModelViewViewModel), Silverlight, XAML, DataBinding, UML, Microsoft Visio, Software Development Life Cycle.

#### **BSC SRL, Asti, Italy**

2001 - 2008

*Serve as main point of contact for creating and deploying integrated information systems and applications designed to manage the administrative, financial and clinical operations across the healthcare industry.*

**Senior Software Development**(as freelancer)

Provided technical expertise in designing and developing data objects and authoring both functional and detail design specifications. Monitored solution status and evaluated project benchmarks to ensure on time delivery schedules. Maintained communication with managers and administrators to report project status.

#### **Technologies and methodologies used**

VisualBasic 6.0, VB.NET and C# .NET Framework 1.1 & 2.0, Oracle, ADO.NET, WindowsForms, ASP.NET-WebForms, JavaScript, HTML, WebServices, .NET Remoting, OOP, IIS, HL7 Protocol(Health Level Seven), Developer Express Components, DataBinding, Reporting Tools, VS UnitTests, Microsoft Visio.

## **EDUCATIONAL BACKGROUND**

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Bachelor of Science in Mathematics | [ALEXANDRU IOAN CUZA UNIVERSITY](#), Iassy, Romania

## **LANGUAGE ABILITIES**

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Possess fluency in English, Italian and Romanian. German - Basics(completed A1.1 & A1.2 at Migros School)

## **ELIGIBILITY TO WORK IN SWITZERLAND**

Possess the work permit B

## **OTHER**

Italian citizenship, married, no children.

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