



# Tomislav Babic

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## PROFILE

- A highly versatile IT professional with over 22 years of comprehensive experience in software development, application development support, software quality assurance, system administration and database administration.
- 18 years' experience working within finance/banking environment, building excellent relations with business analysts and users by showing a commitment to understand their underlying businesses and so more effectively contribute to solving their systems requirements
- 15 years' experience working within .NET framework, including using different factory frameworks such as SCSF, PRISM, Enterprise Library, Unity....
- 12 years' experience working with ITIL-based [IT service management](#) software (Peregrine, Service Management Console)
- Incorporating into classic Waterfall development process the following agile practices: [Continuous integration](#) (using Team Foundation Build and Octopus), [Daily standup meetings](#), [Pair programming](#), [Code reviews](#)
- 2.5 years' experience working in Agile Framework using Scrum Methodologies. As a certified Professional Scrum Master I was performing the role of Scrum Master in the team.
- As a source and process manager (Scrum Master) I developed and lead the build team process (SCRUM) meetings where the team reviewed the work assignments, testing status and project burndown reports to ensure iteration and software delivery.
- As a member of the team I am a full stack polyglot software developer working with other team members on architecting implementing and leading software solutions spanning across web and desktop environments.
- Mentoring and training up junior and new staff.
- Monitoring and following all the stages of the process from requirements specification over functional specification, development, testing, deployment and post promotion verification (in all 4 environments: DEV, UAT, PREPROD and LIVE)
- Successfully fulfilling different roles (often concurrently) within the software development process: Team Leader, Software Developer, Software Architect, Business Intelligence Developer, Program Manager, Quality Assurance, and Database Administrator.

## EXPERIENCE

**Scrum Master, Schroder Investment Management** (<http://www.schroders.com/>)  
Luxembourg, Luxembourg — 2017- Present

Oversaw software developers' progress on applications and applied principles of agile methodologies to keep project on track. Coached team in optimal time utilization through concepts of scrum and agile management methodologies. Led sprint reviews and daily scrum meetings to touch base with whole team and ensure that all members were performing satisfactorily. Trained team members as well as the rest of the company staff in employing agile and scrum practices to improve work flow.

**Principal Analyst Developer, Schroder Investment Management**  
(<http://www.schroders.com/>)  
Luxembourg, Luxembourg — 2007- Present

**Project:** FODL (Finance Operational Data Layer)

**Description:** UI using React with Redux (Facebook library using JavaScript - ECMAScript 6), Microservices architecture, .NET Core WEB API, Event sourcing by using Kafka Distributed Streaming Platform (LinkedIn distributed messaging system), Authentication using OpenID Connect and OAuth 2.0 framework for ASP.NET Core, Service Fabric, Automatic deployment using TFS and Octopus.  
**Project tools:** C#, JavaScript/ECMAScript 6, React with Redux,

**Project:** FAST (Fee Allocation System)

**Description:** UI is built using Silverlight 4/5, PRISM framework with MVVM pattern and Unity as IoC. The service is built using WCF technology and the database was SQL Server 2008R2.

**Project tools:** C#, Silverlight 4/5, Entity Framework 4.x, PRISM framework, SQL Server 2008R2, TFS,

#### Enterprise Library

**Project:** FDR (Finance distribution reporting) menus

**Description:** Build dynamic menus in ASP.NET and deploy them to Sharepoint 2010. Build WCF service to access Microsoft SQL Server Analysis Services (Cube) and provide data for the menus.

**Project tools:** C#, ASP.NET, JQuery, Microsoft SQL Server Analysis Services, Sharepoint 2010, TFS

**Project:** CDR (Client Data Repository)

**Description:** UI is developed in SCSF and the database is SQL Server 2005/2008 R2. The application contains data about clients that are stored centrally and used to calculate fees, rebates, etc.

**Project tools:** C#, SCSF framework, Entity Framework 4.x, SQL Server 2005/2008, TFS, Enterprise Library

**Project:** Bisam

**Description:** Build advanced SSIS packages to import the csv/excel files into SQL. Build a layer around external software to fulfill our needs.

**Project tools:** SQL Server 2005/2008 R2 Integration Services, TFS

**Project:** FREDa (Fund Related Extra Details Application)

**Description:** Lead a team of developers where my role was to simultaneously manage and develop the FREDa application. The UI is built with .Net framework Smart Client Software Factory (SCSF). SCSF implements a lot of different design patterns where the most important ones are MVP (Model View Presenter) and Dependency Injection pattern where the ObjectBuilder is used. The database was SQL Server 2005/2008; the versioning control was TFS.

**Project tools:** C#, SCSF framework, Nettiers, SQL Server 2005/2008, TFS, Enterprise Library

**Project:** SPA (Statement Process Automation)

**Description:** Simultaneously managing and developing an application to setup and automatically generate the SWIFT messages MT535 (Statement of holdings) and MT536 (Statement of transactions). UI is built with Component-based Scalable Logical Architecture (CSLA) which is a .NET development framework for creating powerful data-aware business objects. CSLA uses the factory design pattern extensively. Back end is developed in SQL Server 2005.

**Project tools:** C#, CSLA framework, SQL Server 2005, Visual Source Safe

**Senior Consultant, TRAX (<http://www.trax.lu/>)**

Luxembourg, Luxembourg — 2001-2007

**Clients:** Mees Pierson, Credit Agricole, BNP Luxembourg, BGL, SanPaolo Bank, Eurizon Capital...

**Description:** Maintaining and improving existing client-server application (front-end in Visual Basic and back-end in MS SQL Server 2000): TraxTime, TraxDiary and TraxAccounting. Complete redesign of the Trax Shareholder system. Ported the app from MS Access to the client server application. Lead programmers team (2 members) and mentor other developers.

**Project tools:** Crystal Reports, MS Access, SQL Server, Visual Basic 6, Visual Source Safe

**Senior Consultant, TRAX (<http://www.trax.lu/>)**

Luxembourg, Luxembourg — 2001-2007

**Clients:** FASTNET

**Description:** Created the first Trax ASP.NET web application <http://www.timeit.biz/> C#. Lead programmer's team and mentored other developers in ASP.NET version 1.0 and 2.0. Provided support to clients from leading European financial institutions. Research and development in the following areas: Enterprise Library and Ajax. Created custom ASP.NET web controls. Created MyGenerations templates for ASP.NET pages and entity objects

**Project tools:** ASP.NET, C#, SQL, Transact SQL, Visual Source Safe 6.0, Enterprise library 3.x

**Senior Software developer, TRAX (<http://www.trax.lu/>)**

Luxembourg, Luxembourg — 2000-2001

**Description:** Transferred existing monolithic Access application to client-server application (front-end in Visual Basic and back-end in MS SQL Server): TraxTime, TraxDiary and TraxShareholder. Ported existing client-server financial application to Oracle database. Lead programmers team (2 members) and mentored other developers. Reengineered and normalized existing database using ErWin. Modeled and improved existing business process using Rational Rose. Created, profiled and tuned complex queries, views, stored procedures and triggers in both MS SQL Server and Oracle. Designed reports with Crystal Reports

Designer and tied it with client code.

**Project tools:** Crystal Reports, Rational Rose, ERWIN, Oracle, SQL Server, Visual Basic 6, Visual Source Safe

### **Senior Software Developer (Team Leader), SB Soft**

Belgrade, Serbia — 1998-2000

**Project:** Lead a team of 5 people to build **Goods and Material Accounting** windows application for the client Belgrade Power Distribution Enterprise.

**Description:** Create database using ERWin and Oracle. Fat client built using Clipper for windows (FiveWin) and C++ Builder. Lead team and organized the development process, including requirements specification, development process, testing and, once the project was live, maintenance.

**Project tools:** ERWIN, PL/SQL, FiveWin, TOAD, Visual Source Safe

### **Senior Software Developer (Team Leader), SB Soft**

Belgrade, Serbia — 1998-2000

**Project:** Lead a team of 5 people to build **Accounting of Fixed Assets** windows application for the client Belgrade Power Distribution Enterprise.

**Description:** Created database using ERWin and Oracle. Fat client built using Clipper for windows (FiveWin) and C++ Builder. Built and used an internal reporting tool.

Lead team and organized the development process, including requirements specification, development process, testing and, once the project was live, maintenance.

**Project tools:** ERWIN, PL/SQL, FiveWin, TOAD, C++ Builder, Visual Source Safe

### **Junior Software Developer, SB Soft**

Belgrade, Serbia — 1996-1998

**Project:** Build client server **Human Resource Management** windows application for the client Belgrade Power Distribution Enterprise.

**Description:**

Built fat client using Clipper for windows (FiveWin) and C++ Builder. Built server side using Erwin and Oracle v7.1

**Project tools:** ERWIN, PL/SQL, FiveWin, TOAD, Visual Source Safe

## **EDUCATION**

### **Master of Science in Industrial engineering — 1990-1996**

Faculty of Mechanical Engineering Belgrade, University of Belgrade, Serbia

### **Certificates**

#### **Microsoft certificates:**

- Microsoft Certified Professional (MCP# 3745090)
- Microsoft Certified Application Developer (MCAD#3745090)
- Exam 70-305 (Developing and Implementing Web Applications with Microsoft Visual Basic.Net and Visual Studio .Net)
- Exam 70-306 (Developing and Implementing Windows Applications with VB.NET, ADO.NET and Visual Studio.Net)
- Exam 70-310 (Developing and Implementing XML Web Services with Microsoft VB.Net and the Microsoft .NET Framework)
- Exam 70-573 (Microsoft SharePoint 2010, Application Development)
- CFA Institute: Investment Foundations Program ([Claritas](#))
- Professional SCRUM Master I

#### **Financial certificates (Fincarta):**

- Basics of Foreign Exchange, Introduction to Corporate Finance, Introduction to Credit Risk ,Introduction to Financial Institutions, Introduction to Financial Markets, Overview of Market Risk, Principles of Investment, Anti-Bribery Training, Money Laundering Prevention 2017, Value at Risk, Equity Valuation Models, Financial Ratios and Multiples, Introduction to Companies and Shares, Introduction to Financial Statements

## **SKILLS**

- Languages: C#, VB.NET, Java Script, VB6, VB Script, HTML, FiveWin, T-SQL, PL SQL
- Operating Systems: MS-Windows 10/7/Vista/XP/2000/NT/Me/98, Windows CE, MS-DOS

- Databases: MS SQL, Oracle, MySQL
- Versioning controls: Visual Source Safe VSS, Team Foundation Server TFS
- Development Tools: MS Visual Studio .NET 2003/2005/2008/2010/2012/2013/2015/2017, MS Visual Studio 6, Kafka,
- Deployment Tools: Octopus
- Case Tools: Erwin, Rational Rose, MS Visio
- Other: Microservices SOA, .NET Framework 1-6,.NET Core, Topshelf, IIS, ASP.NET, ASP.NET MVC 1.0-4, Silverlight 4/5, WCF, Ajax, JQuery, LINQ, Entity Framework, XML, XSLT, XSD Schemas, Peregrine
- Strong interpersonal skills

## **LANGUAGES**

- Mother tongue: Serbian/Croatian/Bosnian/Montenegrin;
- Fluent: English and French;
- Basic: Luxembourgish (level A2)

## **REFERENCES**

Available upon request.