

Dr Milan Milanović



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INFORMATION TECHNOLOGY / SOFTWARE Engineering

Lead Software Architect

Works in a team as a Software Architect / Senior software engineer on different software solutions. Certified software engineer (CSM, PSD, MCP, MCSA, MCTS, MCPD) in the area of Enterprise software development. Highly proficient in Java (2004–2010), C#/ASP.NET (2008–present). Has strong academic and industrial experience.

IT subjects:

- Software development methods: Rational Unified Process, Extreme Programming and SCRUM;
- Management: Product management, Recruiting, Mentorship & Coaching, People management.
- Programming languages (Pascal, C, C++, C#);
- Internet programming (ASP.NET, AngularJs, Java [J2EE], Struts, AJAX, HTML/CSS, JavaScript/jQuery);
- Object technologies: Design Patterns, UML/OCL and OO program language components;
- Visual tools (Visual Studio, Eclipse, Netbeans, Rational Rose, ERWin, BPWin);
- Other tools/technologies (XML, XSLT, ATL/QVT, JUnit);
- Databases (MySQL, MSSQL, RavenDB);
- Build tools (Maven, Ant, MSBuild);
- Business process and rules (BPMN, R2ML, SWRL/OWL, Drools);
- Source control (Git, TFS, SVN).

Avocation:

- Digital photography, Adobe Photoshop and Corel DRAW.
- 20+ years IBM PC-compatible experience, with knowledge of and experience in all major software, including Microsoft Word, Excel, Access, 95/98/Me/NT/XP/7/8/10, DOS, and peripherals.

EDUCATION

- **Ph.D. in Computer Science in the area of Software Engineering,** *2007. - 2010.*
FON-School of Business Administration, University of Belgrade, Department of Information Systems and Technologies, Serbia.
- **M.Sc. in Software engineering and informatics,** *2005. - 2007.*
FON-School of Business Administration, University of Belgrade, Department of Information Systems and Technologies, Serbia.
- **B.Sc. with Honors in Computer Engineering Management,** *2002. - 2004.*
Department of Computer Engineering of the Graduate School of Business Studies in Belgrade, Serbia.

Certifications: He is a *Certified ScrumMaster, Professional Scrum Developer, MCP, MCTS for ASP.NET, MCTS for SQL Server 2008, Database Development* and *MCPD for ASP.NET.*

Training record: Agile Architecture and Flow Analysis (2017.), Agile Leadership (2018.), Feedback training (2018.).

PROFESSIONAL EXPERIENCE

Zühlke Group, Serbia

- *Lead Software Architect* *2018. – now*
 - *Team Lead (Belgrade side)*
 - *Software architecture, testing and implementation.*
 - *Coaching.*
 - *Interviewing candidates.*
- *Expert Software Engineer* *2017. – 2018.*
 - Working on customer projects as part of a distributed .NET DEV team.

Electric power industry of Serbia, public company

- *Head of software development department.* *2014. – 2017.*
 - Line managing department of 40+ people.
 - Developing short and long term strategy for the team to meet the company's goals and objectives.
 - Leading main software implementation projects (.NET tech stack + MS SQL Server).
 - Harmonising engineering processes, driving consistent standards and approaches throughout the team.
 - Overseeing internal product development.
 - Teaching and training software developers.
 - Defining implementation times and deadlines (for development and support).

- *Software Engineer and Team Leader:* 2004. - 2014.
 - Line managing 10+ people.
 - Working on a customer projects.
 - Created and held Java courses for 40 software developers (Basic, Advanced, Web, J2EE). Duration: 1 year.

SOFTWARE PROJECTS

Professional

- ***Integrated investment advisory platform for relationship managers of a private bank***
 - Software architecture, design, testing and implementation.
 - Team lead (DD Belgrade).
 - Coaching.
 - Tech stack: C#/.NET, EntityFramework, T-SQL, Protractor, Cake, Angular, TypeScript, Visual Studio, Git.
- ***GUI for Media Processing System***
 - Software testing and implementation.
 - Tech stack: WPF, MVVM, C#, Feature Based, FluentAPI, MVVMLight, ReFit, Aspose, SourceAFIS.
- ***Insurance Portal for Corporate Customers***
 - Software architecture, design, testing and implementation.
 - Team lead (DD Belgrade).
 - Tech stack: C#, ASP.NET MVC, Entity Framework, SQL Server Integration Services, RavenDB, Kendo UI, TypeScript, LESS, TFS.
- ***Procurement solution***
 - Project management.
 - Software requirements engineering, architecture, design, testing and implementation.
 - Tech stack: C#, ASP.NET MVC/Core, Entity Framework, SQL Server, TFS.
- ***Vechile maintenance***
 - Project management.
 - Software requirements engineering, architecture, design, testing and implementation.
 - Tech stack: C#, ASP.NET MVC, KnockoutJs, Entity Framework, SQL Server, TFS.
- ***Materials management***
 - Project management
 - Software requirements engineering, architecture, design, testing and implementation.
 - Tech stack: C#, ASP.NET Web Forms, ADO.NET, SQL Server, TFS.
- ***TopUp and TopUp mobile***
 - Project management
 - Software requirements engineering, architecture, design, testing and implementation.
 - Tech stack: C#, WPF, Android.
- ***Sap ERP implementation***
 - Project management team member for SAP ERP implementation, acting as internal audit.
- ***Oracle UCM***
 - Document management system (support).

Research

- ***rBPMN editor***
 - Full BPMN2 GMF and EMF-based editor implementation.
 - Includes Rule editors for integrity, derivation, production and reaction rules.
 - Tech stack: Java, Eclipse, EMG, GMF.
- ***R2ML - The REVERSE I1 Rule Markup Language***
 - The REVERSE I1 Rule Markup Language meta-model implementation and XML Schema.
 - Implemented R2ML metamodel in different formats.
 - ATL Transformations from SWRL to R2ML to OCL and back.

For more additional information and projects visit my personal website: <http://milan.milanovic.org/#projects>

LANGUAGES

- Serbian - native (CEFR level C2).
- English - speaks fluently and has excellent writing skills (est. CEFR level C1)