

MARJAN BRELIH, mag. org. inf.



PRODUCT MANAGER

Date of Birth:
21.09.1984, Kranj



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www.prosoftlab.com

For the past 4 years I have been working as a Product Manager of the OT / IoT platform Tango, of which I am an idea leader. From the very beginning of my career, I have been involved in the design and development of software and information systems, with the aim of reducing energy use in cities and in industry. I currently work with implementation of expert systems in the field of technical and economic optimization of energy systems and the water cycle. I am specialized in capturing and processing large amounts of data, the automatic control of mentioned systems without crew, and forecasting and optimizing consumption. During my career I have worked as a programmer in .NET environment, database architect (relational databases), system administrator, integrator and implementer of energy systems such as PLCs, SCADA systems, Energy Management systems, etc. I have also worked as an independent developer, team lead, solution architect, systems analyst, IT project manager, product manager and solution architect at Enterprise level. Solutions, of which I am author / co-author / architect, are implemented in multiple systems or cities in the following countries: Slovenia, Croatia, Serbia, Austria, Italy, Romania, Bulgaria.

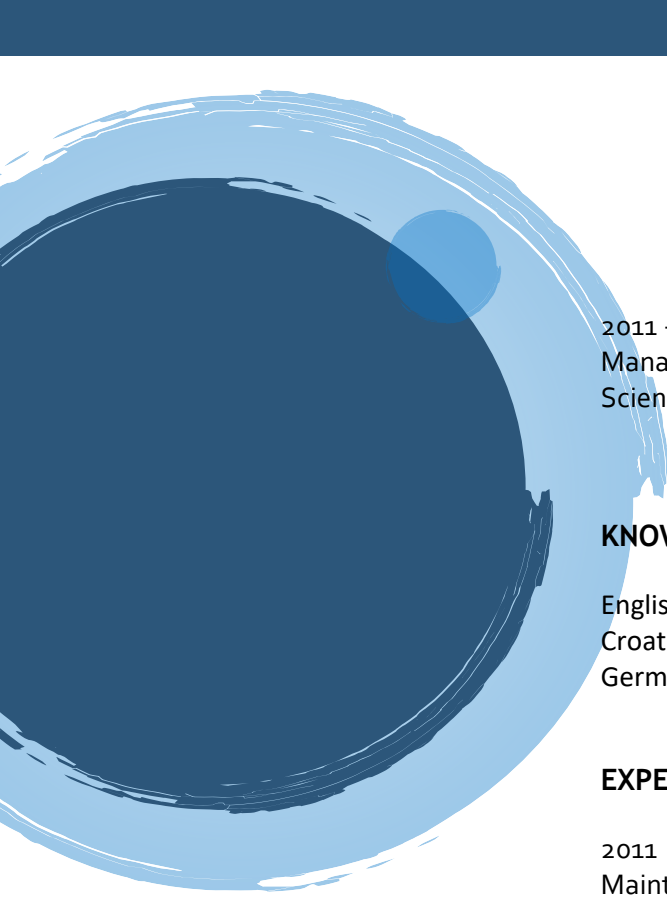
More about Tango:

https://www.youtube.com/watch?v=9e_6UhYPm3c

FORMAL EDUCATION

2003-2007 Undergraduate study program Organization and Management of Information Systems at the Faculty of Organizational Sciences in Kranj.

2007 - 2010 - Master's Degree Program (Level 2) - Organization and Management of Information Systems at the Faculty of Organizational Sciences in Kranj. Received the title of Master of Information Technology Organizer.



2011 – 2020 – Doctoral Degree Program (Level 2) - Organization and Management of Information Systems at the Faculty of Organizational Sciences in Kranj.

KNOWLEDGE OF FOREIGN LANGUAGES

English (B1 level)
Croatian, Serbian (B1 level)
German (A2 level)

EXPERT QUALIFICATIONS


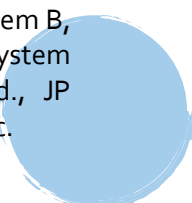
2011 – Microsoft Official Course 6419 Configuring, Managing and Maintaining Windows Server 2008 Server (R2)
2016 – Progea Movicon 11 Advanced Training (Certificate data acquisition SCADA)

WORKING EXPERIENCE (13 years)

2007–2015 – ELTEC PETROL D. O. O.
2015– PETROL D. D., Ljubljana

DEVELOPMENT IMPLEMENTATION, CONFIGURATION AND MAINTENANCE OF SOFTWARE AND SOLUTIONS

Schneider Electric Termis, Aquis, DataManager, Siemens DataBridge, ELTEC DataWatch, etc.:

- **DISTRICT HEATING SYSTEMS:** Beogradske elektrane (2000 MW), Jkp Novosadska Toplana (600), Energetika Ljubljana (800 MW), Bolzano, Energetika HEP Toplinarstvo Zagreb (800 MW), Energetika Maribor (150 MW), Komunala Velenje (150 MW), CGT Tuzla (250 MW), HEP Toplinarstvo – pogon Osijek (150 MW), Komunala Trbovlje (75 MW), Alperia SpA – Bolzano (75 MW), Murska Sobota (15 MW), DH Piran – Petrol (15 MW) etc.
 - **WATER SUPPLY SYSTEMS:** Drinking water supply system Saleska Valley, Drinking water supply system Pomurje - system B, Technical and economic optimization of the water supply system in Kranj, MARIBORSKI VODOVOD public company d. d., JP Vodovod Kanalizacija Ljubljana, Acqua Novara VCO S.p.A etc.
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DESIGN AND DEVELOPMENT OF SOFTWARE, DATABASES AND INTEGRATION

Application development in .NET environment (WinForms, WPF, WCF, Silverlight) for control and effective management of energy use ELTEC EnergyWatch, development of own ELTEC SCADA system and drivers (ModBus, OPC Classic in UA), design and integration of relational databases (MS SQL, MySQL etc.), development of add-ons for Schneider Electric Termis and Schneider Electric Aquis (optimization of district heating and drinking water management systems), Schneider Electric DataManager etc. Developed applications have been installed and are in operation for several years or more than ten years. In the frame of the projects I have designed and implemented the architecture of IT systems and necessary integrations. The solutions are implemented on the following heating and cooling systems, smart lighting systems and energy management systems of buildings:


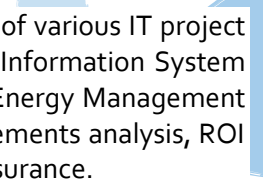
- Beogradske Elektrane, HEP Zagreb, JKP Novosadska Toplana, Energetika Maribor, REAAL (Renewable Energy Across the Alpine Land); Petrol d. d. (Pobrezje, Crnomelj), Domplan d.d. Kranj - (Planina Kranj), Domstan d. o. o. (Postojna), Zarja Kovis d. o. o. - (Semic, Moravce), ZEL-EN - (Krsko), Municipality Kamnik - (Kamnik), Municipality Dobrovo, Public Utility Trbovlje, Municipality Piran, Municipality Novo mesto, Ministry of Justice (The Court in Celje, Murska Sobota, Slovenj Gradec), ZPO Celje d. o. o., sport Hall Golovec and Zlatorog etc.

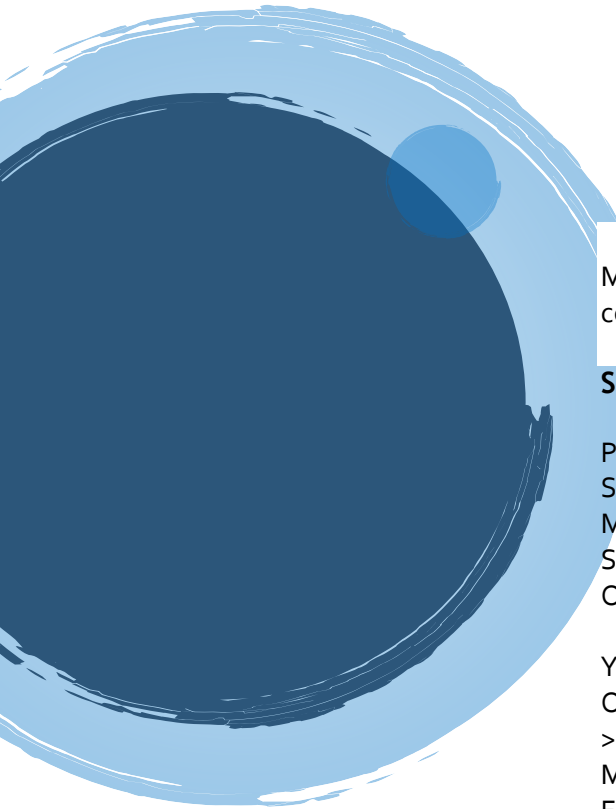
IT SYSTEM ADMINISTRATION

Years of experience with managing the entire enterprise information systems (network, firewall, servers, workstations, mail servers, databases, active directory, etc.) for 100 employees in three countries. Years of experience in maintaining micro and small business information systems.

PROJECT AND PRODUCT MANAGEMENT OF IT PROJECTS

Managing of IT development projects, managing of various IT project implementations. Product Manager of Technical Information System PETROL Tango (IoT / OT Platform, BigData, BI, Energy Management System). IT project lifecycle management: requirements analysis, ROI analysis, design, development, testing / quality assurance.





Management of development teams, relations with end users, contractors, suppliers.

SPECIAL SKILLS AND INTERESTS

Product Management, IT Project Management, Solution Architecture, Software Development, Integration, OT / IoT, BigData, Energy Management Systems, SCADA Systems, Expert Decision Support Systems, Website Development, Development of Consumption Optimization Algorithms, Machine Learning etc.

Years of experience with:

Operating system Windows 95 -> Windows 10, Windows Server 2003 -> 2019

Microsoft Essential Business Server 2008, Microsoft Exchange 2007, Forefront Threat Management Gateway 2010, Active Directory, etc.

Programming: Microsoft Visual Basic 6 -> Visual Basic .NET 2019

Programming: Microsoft Visual C# 2010 -> 2019

Databases: SQL Server 2005 -> 2016, MySQL, etc.

WinForms, WPF, WCF, REST, HTML, XML

SCADA systems (ELTEC, Wonderware, Schneider Electric, Siemens)

Siemens DataBridge

Microsoft Office: Word, Excel, Access, PowerPoint, Outlook, One Note, Teams etc.

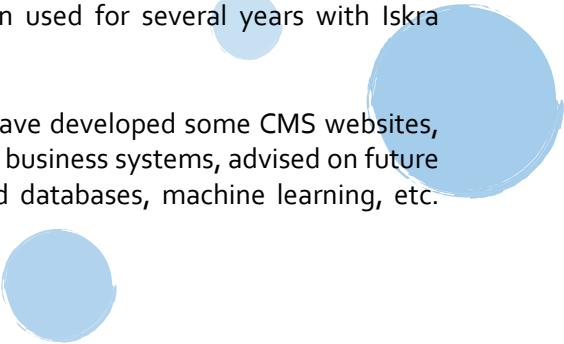
JIRA, Confluence, Balsamiq Mockups etc.

AFTERNOON FREELANCE ENTREPRENEURSHIP

2008 – Starting my own company Pro SoftLab (afternoon activity).

In cooperation with the Laboratory for Decision Processes and Expert Systems at the Faculty of Organizational Sciences in Kranj, I have developed a free software tool for supporting multi-criteria decision-making with name (Simple Decision eXpert - SIDx), which is used for teaching purposes at several faculties, secondary schools and professional high schools in Slovenia and abroad. At the request of the client, I developed a system for electronic archiving of documents called Negotium, which has been used for several years with Iskra Medical d.o.o. Ljubljana.

As part of the afternoon craft, I have developed some CMS websites, maintained some micro and small business systems, advised on future IT systems architecture, designed databases, machine learning, etc.





Occasionally I lecture at faculties and educational institutions.

PUBLICATION OF ARTICLES - LIST FROM COBISS SYSTEM

I have published several professional and scientific articles, I am only listing the entries, which are recorded in the Cobiss system:

2007 - Brelih M., Rajkovic V., Prenova orodja za pomoc pri odlocanju Decaid: diploma thesis of higher education professional studies, Faculty of Organizational Sciences in Kranj.

2008 - Brelih M., Rajkovic U., Racunalniski program za veckriterijsko odlocanje na osnovi metodologije Decaid, contribution to the International Scientific Conference on the Development of Organizational Sciences (27; 2008; Portoroz).

2010 - Brelih M., Rajkovič V., Informacijska resitev celovitega energetskega upravljanja: Master's thesis, Faculty of Organizational Sciences in Kranj.

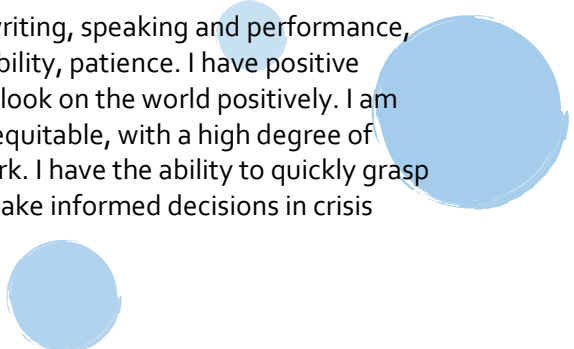
2015 - Brelih M., Rajkovic U., Ruzic T., Use of quantitative and qualitative criteria for selection of investment projects in water distributin systems: paper at the International Conference on the Development of Organizational Sciences (34; 2015; Portoroz).

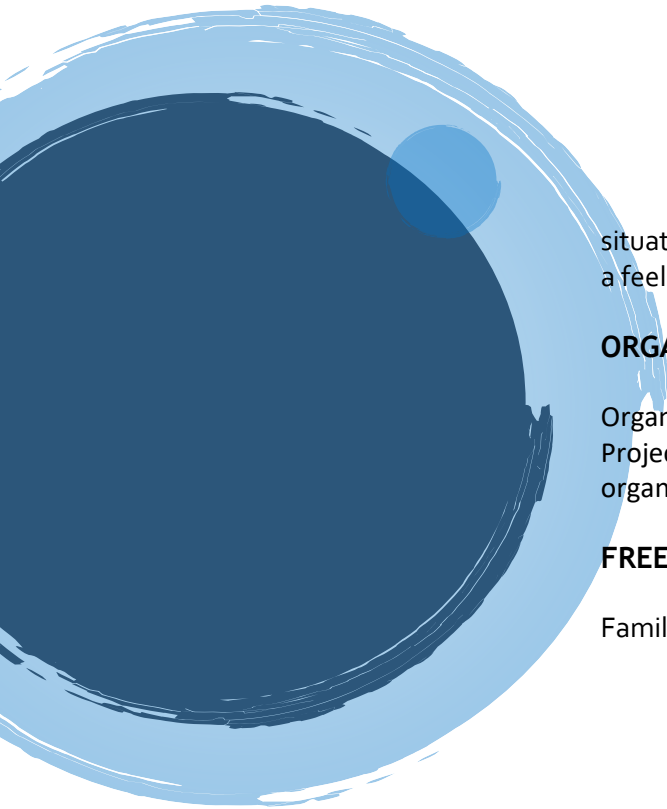
2018 - BRELIH, Marjan, RAJKOVIČ, Uroš, RUŽIČ, Tomaž, RODIČ, Blaž, KOZELJ, Daniel. Modelling decision knowledge for the evaluation of water management investment projects. *Central European Journal of Operations Research*. Sep. 2019, vol. 27, iss. 3, str. 759-781, ilustr. ISSN 1435-246X. <https://link.springer.com/article/10.1007/s10100-018-0600-5>, DOI: [10.1007/s10100-018-0600-5](https://doi.org/10.1007/s10100-018-0600-5). [COBISS.SI-ID 8080915]

2020 - BRELIH, Marjan. *Model povezovanja kvantitativnih in kvalitativnih podatkov v procesu več-kriterijskega odločanja : doctoral dissertation*. Maribor: [M. Brelih], 2020. 98 f., ilustr. <https://dk.um.si/lzpisGradiva.php?id=73488>. [COBISS.SI-ID 18405123]

SOCIAL SKILLS AND COMPETENCES

Communication skills: excellent writing, speaking and performance, empathetic listening, observing ability, patience. I have positive attitude towards work as well as I look on the world positively. I am self-directed, goal-oriented, and equitable, with a high degree of integrity, committed to group work. I have the ability to quickly grasp the essence and concentration, make informed decisions in crisis





situations; and I am very responsible and efficient at work. I also have a feeling for leading and motivating my coworkers.

ORGANIZATIONAL KNOWLEDGE

Organized, systematic, consistent, responsive.
Project management, accustomed to working in a network organization.

FREE TIME

Family, nature, traveling, cooking, music.

