

MiroslavKrsjak

programmer, IT Specialist

contact

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summary

trilingual
slovak/english/german

broad range of IT skills

♥ programming and
problem solving

economic and financial
market background

like to lead people



motivation

I'm seeking a working possibility to improve my financial expertise, either in the actuary or banking/trading industry to effectively apply my extensive IT skills in those environments to build a fusion of the two worlds to become a IT/Financial consultant.

education

- 2006–2008 **PhD. thesis** University of Economics in Bratislava
The thesis "Neural networks for statistical purposes in economics" was focused on time series forecasting with the use of artificial intelligence (neural networks) and Markov models. Programming languages used - Java, C#, PHP, SQL, C++
- 2007–2008 **Ing. (Masters degree) thesis** University of Economics in Bratislava
The thesis "Information support consultancy activities" included the analysis, design and implementation of a DB driven dynamic web portal for young entrepreneurs.

experience

- 2017– **IBM** FrontEnd Developer
Moved to a new team/project development with Preact, NodeJS, Webpack. The project is live at <http://www.ibm.com/support/knowledgecenter>
- 2015–2017 **IBM** FrontEnd Developer
Web application development with Backbone, React, NodeJS, Webpack, Jasmine, Karma including Unit and functional testing.
3 web projects, all thick client web applications, bound to services via REST Agile development process.
- 2010–2015 **IBM** Automation Specialist, Programmer
Application design and implementation using following Technologies: DB2 (SQL), LotusScript., .NET C#, PHP, HTML, Java
Detailed achievements:
 - SQL/DB reporting tasks
 - SQL education sessions for a class of 50 people
 - Application development:
 - C# – Windows Forms application design and implementation with database and network connectivity, data imports/exports. Custom solutions to automate team member tasks resulting in cost saving.
 - LotusScript – LotusNotes development, designing and maintaining of Forms, Agents.
 - Java – Minor console software development
 - PHP/Javascript – Custom web development
 - Evaluation – above the average or top Performer on yearly basis
 - Education – improving DB2 skills, learning the Android development Basics (Java, Eclipse)

2006–2017	University of Economics in Bratislava Rated "truly distinctive" for Analytical Skills and Teamwork.	Assistant, Teaching and research
2007–2007	TTSM s.r.o. BigRing analysis and design - analyzing a new knowledge storage and extraction technology with focus on design how to implement it (which technologies, AI to use, how to store data, etc.)	Analyst, Programmer
2002–2009	IdeaPC s.r.o. Several large dynamic webportal implementations including CMS systems using PHP/MySQL/Linux. Linux/Windows administration.	Programmer, Administrator
2007–Now	Decanet (Non-profit organization) Nonprofit project leading & programming	Director
2006–2008	Gimma OZ (Non-profit organization) Nonprofit project support & programming	IT operations

awards

2012	IBM	Best of the Best Special Award at IBM
2008	Economic University of Bratislava	Dean's award for finishing the PhD. ahead of time
1997	SOC	1st Place in the Mathematics/Informatics category of the national highschool science competition

communication skills

English language	Understanding C2, Speaking C1, Writing C1 I have spent about 1 Year in United States and English Language is native to the IT field and programming, so both writing and communication skills are on a high level.
German language	Understanding C2, Speaking B2, Writing B2 I studied the German language for 8 Years, however did not use it in interaction with clients at work, as English is preferred. Currently I do live in Austria.
Presentation Skills	Leading, project management, people skills As a part of working at the university, strong presentation, teaching and communication skills are required to work with group of students to achieve specific goals.
People skills	Managing of team members, project coordination, planning Attending a long term Leadership course at IBM, seeking theoretical and on-hand practice in team management area. The course includes : <ul style="list-style-type: none"> • People management, time management • Motivation, goal setting • Virtual teams, collaboration • Culture and business

interests

Professional: Data analysis, cryptocurrencies, financial programming, problem solving, people motivation, Arduino home automation, mobile applications

Private: Team sports, climbing, biking, tennis, photography, electronics, home automation, gardening, clay plaster and eco-building technology

projects

More details in my BLOG

Web based:

- CryptoBot (2017–) (NodeJS, React, custom cryptocurrency trade finder bot client/server solution, Facebook chat connection)
- Nymex commodity option analysis (2016–) (PHP, MySQL, NodeJS, React, Facebook API - option data downloader, processor and renderer. Can be found at <http://nymex.brana.sk>)
- volebni.brana.sk (2017) (Czech election decision helper)
- volebna.brana.sk (2016) (Slovak election decision helper)
- Podnikajte.sk (2006–2008)
- PolitickySupermarket.sk (2006)
- SvetVzdelavania.sk (2008)
- Brana.sk (2004)

Windows applications:

- Trade Indicator (2017–) (C, Multicharts custom indicator/application for Forex trading)
- Marvin (2015–) (C#, OpenCL, WinForms, C++ - AI based graphics program)
- stockTrader (2016–) (C#, IB Api - Windows based stock trading automation software)
- xTrader (2008–2011) (C#, WinForms, Matlab, HTML, SQL, CUDA - data analysis on CPU/GPU, prediction, visualization)
- ImagePatcher (2012) (C#, CUDA, SQL, SOM Network - "bigdata" problem handling millions of data entries)
- SaxoTrader (2008) Reverse Engineered Build (decompiled, analyzed and rebuilt commercial C# application)

Other:

- 3D Engine (2002) (OpenGL, C++, WinAPI 32, OctTree collision detection)
- Markov Model, Neural Networks testing framework (JAVA, C++, C#, SQL)