

Personal

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Web	http://brezniczky.github.io
Marital Status	Single
Highest Education	PgC in Econometrics, Birkbeck, University of London (provisional classification: distinction) BSc in Programming Mathematics, good (~2.1) University of Pannonia (Hungary)

Summary

Talented, experienced and passionate software developer returning from a skills update break, with an improving academic background, strong aptitude towards mathematics and good programming ability, seeks an opportunity to further update and efficiently utilise his skills.

Technical skills

	Work experience	Academic/hobby exposure
Languages	Object Pascal (8+ years), R (1+ year), XML, SQL, C#, HTML, CSS, ASP, ASP.NET, VBA (Excel/Access), VBScript, JScript	C++, Python, C, Apache Pig, PHP, VB .NET, Java, VRML, x86 assembly, Octave, BASH, JavaScript, 8085 microcontroller assembly, C64 Basic, C64 machine code, etc.
Operating systems	Windows (98...7, including some server versions)	Linux (Lubuntu/Ubuntu) user (mostly over the past 1 year)
Technologies, methodologies, techniques	OOP, peer reviews, Win32 API, VCL, econometrics, mathematical programming, version control, MS Excel, charting, multi-threading, COM, ADO, MSSQL, SOAP, SMTP, InterBase/Firebird, Exchange, MS Access, .NET, VCL/CLX (a Qt based Delphi library) component development, VBA	exploratory analysis, (R) markdown, STL, Shiny, machine learning packages (caret, XGBoost, random forests), reproducibility, ActiveX, DirectX, OpenGL, pandas, R package development, ggplot2, D3, OpenCV, Oracle, UML, Hadoop, Windows shell extension writing, etc.

Technical skills (continued)

	Work experience	Academic/hobby exposure
Software	Delphi/RAD studio (5-7, 2005, XE2-XE7), R Studio, JIRA, TeX, Subversion, Visual Studio, JQuery, InnoSetup, Steema TeeChart, Dew Research Components, Gretl, IIS, Exchange, VMWare Server, XML, etc.	Git, Eclipse, Code Blocks, Spyder, SQLite, MySQL, H2O.ai, Oracle, etc.

Employment history

11/2011-9/2015, 8/2016-present	Software Developer, marketingQED Limited Participated in the full cycle development of components of multiple desktop tools aimed at marketing analytics, created in Delphi, based on object-oriented, information visualization and econometric principles (linear/non-linear regression, panel data, statistical tests) using custom, e.g. genetic algorithms and third-party components. Major share in designing a hybrid optimization algorithm prototype in R and realizing it in Delphi. Left the job for a while to allow for updating my knowledge and programming experience.
7/2011-11/2011	Warehouse Operative via The Best Connection Employment Agency Temporary work in the Jack Wills warehouse, Greenford.
3/2011-6/2011	Preparations for moving to the UK.
8/2006-3/2011	Application Developer, Vamsoft Kft. Contributed to the development of an award-winning high-performance spam filtering software suite integrating with Microsoft Exchange, and smaller in-house solutions. Resolved client-server, email transport, user interface, data provider and setup issues, main language: Delphi, occasionally: ASP, C#, ASP.NET. Left the job to gain international experience.
2/2006-6/2006	Application Developer, contracting with Vazsonyi Kft. Contracted separately for the complete implementation two database intensive desktop applications in Delphi, one integrating into a multi-tier system for pharmacies, over a slow internet connection. Permanent work started before the next project.
6/2005-11/2005	More regular student works at the Alcoa-Köfém Kft. office, Nemesvámos (scanning, MS Excel, MS Access).
2001-2002	Cross-platform reporting component development for Delphi VCL/CLX remotely for in-house use (details in person).
1999-2005	Various temporary part time works via student employment agencies

Education

Over the years I have learnt to appreciate the various sources of knowledge for their own merits, I look forward to continuing my education as time allows.

10/2016-9/2017 (expected)	PGCert, Cloud And Data Technologies, Birkbeck, University of London Database Management, Warehousing, and Mining, Cloud Computing
2014-2015-2016 (mainly)	Ongoing online education Completed approximately 20 courses, highlights on Coursera: C++ for C Programmers, Part A, University of Santa Cruz, invited to be a mentor; Data Science Specialization, Johns Hopkins University (10-course R-based specialization); Programming for Everybody (Getting started with Python), University Of Michigan (4 of 5 courses complete); Data Science at Scale, University Of Washington (2/4 courses complete, R and Python)
2014-2016	PGCert, Econometrics, Birkbeck, University of London Provisional: distinction. Studied statistical techniques of economics (OLS, ARIMA, GLS, MLE, PCA, panel data, choice models, censored and truncated data, etc.).
2014	BSc in Programming Mathematics, University of Pannonia, Good (~2.1) Final project completed and final exam passed.
2013	IELTS Academic English examination, 8.0 (very good user)
2006-2010	BSc in Programming Mathematics, University of Pannonia Certificate of completion level
1997-2006	University of Veszprem While enrolled on IT-related studies, self-taught myself in Delphi programming, this turned into the first professional opportunities.
1993-1997	Wigner Jenő Középiskola Matura (~ UK A-levels): straight 5 (~ UK A) grades

Other

2015-	Kaggle - regular participant of machine learning competitions, best to date: a top 3% result (Kaggle user: v8trabantturbo)
2013-	Attendant of scientific and technological events in topics from robotics to agile development practices.
1996-1997	Finished in the top 14...top 2 in national mathematics, physics and electronics competitions for secondary schools.

Personal interests/hobbies

Software development, (data) science, mushroom picking, music & guitar (played in a rock band during university), running, hiking, table-tennis, languages, politics, and roughly anything and everything.