

ING. MARTIN TIMKO

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Work experience

Period: **may 2018 –**
Employer: **C.G.C., a.s.(Inc.), Bratislava (on-site)**
Position: **programmer (C#/ASP.NET WebForms/PL-SQL/EntityFramework/WebAPI)**
Location: **Bratislava (on-site)**
Description: *Development of an information system consisting of multiple modules of the security system, IP camera management, attendance system and the like. Web application written in ASP.NET WebForms, HTML/CSS/JS(jQuery). Part of the code logic was written in PL/SQL and converted from it into the Entity Framework data layer. Web services consisted of REST API, HTTP methods GET, POST, DELETE, simple services for front-end team (Vue.js). Working in a 5-member team. Tasks typed in the form of CMS system Helios and versioned by Apache Subversion (SVN), continuous checks at weekly intervals.*

Period: **april 2015 – march 2018**
Employer: **Definity Systems, s.r.o.(Ltd.), Benesov at Prague (on-site)**
Position: **support programmer (C#/.NET/EntityFramework/WinForms)**
Location: **Prague (on-site)**
Description: *Development of the information system and the description of the manufacturing process of electronic printed circuit boards (PostgreSQL, EntityFramework, Database First). Creating a presentation layer UI using the DevExpress library. Maintenance of the older information system CentralGroup (WinForms). Work in a 4-member team of stand-alone programmers. Tasks entered and released in the form of an internal system (CMS) and Apache Subversion (SVN), continuous checks at approximately weekly intervals.*

Period: **june 2013 – february 2015**
Employer: **KDC, s.r.o.(Ltd.), Kosice (Ditec, a.s.(Inc.), Bratislava)(on-site)**
Position: **support programmer (C#/.NET/WCF/NHibernate/WinForms)**
Location: **Kosice (on-site)**
Description: *Development of an information system consisting of modules of different character of school registration and administration of persons. Creating a presentation layer UI using the DevExpress library. Information system consisting of 6 layers, MVC, BLL, DAL (MS SQL, NHibernate), DOL, SVC (WCF). Each assigned task was consulted by an analyst who provided a class diagram and a sequence diagram for the task in the form of TFS, sometimes even a preliminary UI interface design. Working in an active 4-member team of stand-alone programmers with one lead programmer and fairly frequent teleconferencing. Tasks typed and versioned in the form of Team Foundation Server (TFS), continuous checks at weekly intervals. The project resulted in an information system for school registration and management.*

Period: **september 2012 – april 2013**
Employer: **Graitec, s.r.o.(Ltd.), Prague (on-site)**
Position: **support programmer (C/C++/MFC)**
Location: **Prague (on-site)**
Description: *Development and maintenance of CADKON+ extension of building software (Autodesk Revit) using the AutoCAD core. Working in a 5-member team of independent programmers with the leadership of one leading programmer. Tasks provided by Team Foundation Server (TFS), continuous checks and versioning of Apache Subversion (SVN). The result of the project was language localization, analysis and correction of product deficiencies (bug fixing).*

Education

Period: **2007 – 2012**
Institution: **Technical university Kosice, Faculty of Electrical Engineering and Informatics**
Field of study: **Applied Informatics** - Computer modeling (Bc. | Ing.)
Bachelor thesis: [Heteroassociative memory model of an artificial neural network](#)
Diploma thesis: [Solving selected problems of geometry in three-dimensional geometry \[PP\] \[SP\]](#)
Bachelor courses: *Mathematical analysis I., Mathematical analysis II., Linear algebra, Discrete mathematics, Physics I., Physics II., Electrotechnics, Numerical mathematics and mathematical statistics, Algorithms and complexity, Programming and networks, Programming, Data structures and algorithms, Object-oriented programming, Database systems, Operating systems, Distributed programming, Computer graphics, Operational analysis, Computer-aided mathematical simulation, Computer system architectures, Fundamentals of electrical engineering, Fundamentals of material engineering, Internet security, Principles of computer engineering, Encoding theory, Artificial intelligence, Formal languages and automata, Graph algorithms and discrete optimization, Philosophy*
Diploma courses: *Discrete dynamic systems, Linear and quadratic programming, Mathematical methods for neural networks and time series, Optimization methods, Finite elements method, Parallel programming, Computer vision, Selected topics of modern physics, Applied electrotechnics, Applied statistics, Difference equations and variational calculus, Semantics of programming languages, Queueing theory, Type theory, Topical problems in current philosophy*

Period: **2003 – 2007**
Institution: **Technical university Kosice, Faculty of Civil Engineering**
Field of study: **Environmental engineering** - Environmentalistics (unfinished study) – [Study report](#)
Bachelor courses: *Mathematics I., Mathematics II., Descriptive geometry, Physics I., Physics II., Chemistry, Environmental physics, Environmental chemistry, Geology, Environmentalistics, Introduction to civil engineering, Engineering drawing, Building materials, Building mechanics, Construction economy, , Flexibility and plasticity, Statics of building constructions, Construction of buildings, Right and construction law, Elements of supporting structures, Concrete and masonry supporting elements, Steel and wooden support elements, Landscape ecology, Basics of geotechnics, Geodesy, Hydromechanics, Hydrology, Building interior, Meteorology and climatology, Environmental engineering, History of construction, History of architecture and art, Psychology*

Period: **1999 – 2003**
Institution: **Secondary school Kosice, Electrical school**
Field of study: **Electrotechnics** - Automation technics (graduation)
Courses: *Slovak language and literature, German language, Science about society (II.,III.,IV.), History (I.,II.), Economy (IV.), Management (III.), Mathematics, Physics (I.,II.), Chemistry (I.), Ecology (I.), Mechanical engineering (I.,II.), Electrotechnics (I.,II.), Electrotechnology (II.), Electronics (III.), Computational technics, Electrotechnical measurement (III.,IV.), Telecommunications (III.), Automation (III.), Automation technics (IV.), High current equipment (III.), Graphic systems (IV.), Electrotechnical capability (IV.)*

Computer knowledge - programming and databases

C# | .NET | WCF: *school and personal projects, development of information systems, advanced knowledge*
ASP.NET: *school and personal projects (WebForms, MVC), advanced knowledge*
HTML/CSS: *development of personal projects, intermediate advanced knowledge*
JavaScript: *using of JS libraries (jQuery), easier code editing, basic knowledge*
C/C++ | MFC | STL: *diploma thesis, programming of computer graphics in particular, OpenGL*
MS SQL | ORM: *database/table design, basic data manipulation, and PL/SQL*
Matlab | \LaTeX | SVN: *procedural programming of algorithms, basic \TeX rate, Beamer*

Language skills

Slovak language: **native language, expert/interpreting (C2)**
Czech language: **bilingual language (C1)**
English language: **intermediate** [active knowledge] :: Writing (B2) | Speaking (A2) | Understanding (reading (B2), listening (B1))
German language: **basic knowledge (A1)**

Courses and training

- **CCNA 1** :: Fundamentals of networking technologies (network protocols, IPv4/6 addressing, OSI/ISO modeling)
- **CCNA 2** :: Routing protocols and concepts (static/dynamic routing, routing protocols RIP, VLSM, CIDR, EIGRP)
- Course **Linux/UNIX administration**
- Course **Architectural drawing** (entrance exam for architecture)
- Course **Jazz guitar** (in free time as a hobby)
- Course **Biology/Chemistry** (entrance exam for medicine)
- group B driving license (I use public transport)
- health card

Interests and hobbies

- guitar play (balladic jazz, blues, blues-rock)
- reading books (philosophy, cognitive science)
- personal page: <http://www.mttweb.net>
- source code samples: <http://github.com/mttcode>
- writing articles
- club concerts

I agree with the management, processing and storage of my personal data in that company. The provision of data is voluntary and without consequences, with the result that these data may be processed for the purposes of the database of job seekers within the meaning of Act. no. 428/2002 Zb. On the protection of personal data. The consent is given for an indefinite period and according to §20 par. 3 cit. of the Act may be revoked at any time in writing.