

► ENG. MARTIN TIMKO

April 19, 1984 (age 42)

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🌐 <https://mtt-web.github.io/>



WORK EXPERIENCE

EMPLOYER: **Freelancer**
PERIOD: **june 2025 — now**
POSITION: **programmer (C/C++/C#/ .NET)**
LOCATION: **Kosice** (Home Office)
DESCRIPTION: *Part-time employment for an indefinite period as a concurrent/parallel, additional economic income. Development of personal projects in the field of the gaming industry using various graphic programming tools (UNITY, SDL) in the programming language C/C++/C# .NET. Individual projects were conceived on the basis of independent development, either independently or with external workers, for various gaming platforms (STEAM, Epic Games, GOG, Microsoft Store).*

- [STEAM, Cargo Industry](https://store.steampowered.com/app/5155330/Cargo_Industry): https://store.steampowered.com/app/5155330/Cargo_Industry
- [itch.io, Cargo Industry](https://indicatrixstudio.itch.io/cargo-industry): <https://indicatrixstudio.itch.io/cargo-industry>

EMPLOYER: **IVES, s.r.o.(Ltd.), Kosice**
PERIOD: **march 2023 —**
POSITION: **programmer (C#/ .NET/WPF/PostgreSQL)**
LOCATION: **Kosice** (remote)
DESCRIPTION: *Development of an information system for managing economic software. The presentation layer was written using a two-tier MVVM architecture based on WPF. The data layer used the standard built-in MS SQL database adapters within PostgreSQL. No special additional architectural and auxiliary libraries were used. Work in a group of two programmers. GIT was used to share the program code. Checks always carried out after programming of certain parts.*



EMPLOYER: **C.G.C., a.s.(Inc.), Bratislava**
PERIOD: **july 2019 — december 2022**
POSITION: **programmer (C#/ASP.NET/WebAPI)**
LOCATION: **Bratislava**
DESCRIPTION: *Development of an information system consisting of several security system modules, IP camera management, attendance system, etc. Web application written in ASP.NET WebForms, HTML/CSS/JS(jQuery). Part of the code logic was written in the database and converted from it to the Entity Framework data layer. Web services consisted of REST API, HTTP methods GET, POST, DELETE, simple services for the front-end team (Vue.js). Work in a 5-member team. Tasks written in the form of the Helios CMS system and versioned by Apache Subversion (SVN), ongoing checks at weekly intervals.*



EMPLOYER: **Definity Systems, s.r.o.(Ltd.), Benesov near Prague**
PERIOD: **october 2017 — february 2019**
POSITION: **programmer (C#/ .NET/EntityFramework/WinForms)**
LOCATION: **Benesov near Prague**
DESCRIPTION: *Information system development and description of the production process of electronic printed circuit boards (PostgreSQL, Entity Framework, Database First). Creating a presentation layer user interface using the DevExpress library. Maintenance of another from the older information system (WinForms). Work in a team of 4 independent programmers. Tasks entered and released in the form of an internal system (CMS) and Apache Subversion (SVN), continuous checks at approximately weekly intervals.*



EMPLOYER: **KDC, s.r.o.(Ltd.), Kosice (Ditec, a.s.(Inc.), Bratislava)**
 PERIOD: **november 2015 — march 2017**
 POSITION: **programmer (C#/.NET/WCF/NHibernate/WinForms)**
 LOCATION: **Kosice**
 DESCRIPTION: *Development of an information system consisting of modules of different nature for school records and personnel management. Creating a presentation layer user interface 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 sequence diagram of the task in TFS form, sometimes even a preliminary design of the user interface interface. Work in an active team of 4 independent programmers with one lead programmer and fairly frequent teleconferences. Tasks typed and versioned in the form of Team Foundation Server (TFS), ongoing checks at weekly intervals. The result of the project is an information system for records and management of schools.*



EMPLOYER: **Graitec, s.r.o.(Ltd.), Prague**
 PERIOD: **january 2015 — june 2015**
 POSITION: **programmer (C/C++/MFC)**
 LOCATION: **Prague**
 DESCRIPTION: *Development and maintenance of CADKON+ construction software (Autodesk Revit) using the AutoCAD core. Working in a team of 5 independent programmers under the leadership of one senior programmer. Tasks provided by Team Foundation Server (TFS), ongoing checks, and Apache Subversion (SVN) versioning. The result of the project was language localization, analysis and correction of product shortcomings (bug fixing).*



EMPLOYER: **Cassovia Software, s.r.o.(Ltd.), Kosice**
 PERIOD: **june 2012 — september 2014**
 POSITION: **programmer (Object Pascal/Delphi)**
 LOCATION: **Kosice**
 DESCRIPTION: *Development and maintenance of a GPS localization program for an external German company focusing on navigation systems. Independent work with assigned tasks under the guidance of a senior programmer. Continuous checks and versioning Apache Subversion (SVN). The result of the project was a localization program for navigation systems.*



EDUCATION

PERIOD: **2007 — 2012**
 INSTITUTION: **Technical university Kosice, Faculty of Electrical Engineering and Informatics**
 FIELD OF STUDY: **Applied Informatics - Computer modeling (Bc. | Ing.)**
 DEPARTMENT: Department of Mathematics and Theoretical Informatics
 STATE: Applied Informatics - subject: Semantics of programming languages
 EXAMINATION:
 BACHELOR THESIS: Heteroassociative memory model of an artificial neural network
 DIPLOMA THESIS: Solving selected problems of geometry in three-dimensional geometry
 BACHELOR COURSES: *Mathematical analysis I., Mathematical analysis II., Mathematical analysis III., Mathematical analysis IV., Linear algebra, Discrete mathematics I., Discrete mathematics II., Physics I. (Mechanics, Oscillations and waves), Physics II. (Electricity and magnetism), Physics III. (Nuclei and particles), Electrical engineering, Numerical mathematics and mathematical statistics, Algorithms and complexity, Coding theory, Formal languages and automata, Programming and networks, Programming, Data structures and algorithms, Object-oriented programming, Database systems, Operating systems, Distributed programming, Computer graphics, Artificial intelligence, Operational analysis, Computer system architectures, Fundamentals of material of Engineering, Internet Security, Principles of Computer Engineering, Philosophy*
 DIPLOMA COURSES: *Discrete dynamical systems, Linear and quadratic programming, Mathematical methods for neural networks and time series, Optimization methods, Finite element method, Parallel programming, Computer vision, Applied electrical engineering, Applied statistics, Differential equations and calculus of variations, Programming semantics of languages, Theory of mass service, Theory of types, Current problems of contemporary philosophy*

PERIOD: **1999 — 2003**
INSTITUTION: **Gymnázium Srobarova, Kosice**
FIELD OF STUDY: **General department - (graduation)**
GRADUATION: *Slovak language and literature, Mathematics, Geography, Informatics*

LANGUAGE SKILLS

SLOVAK LANGUAGE: **native language, expert/interpreting (C2)**
CZECH LANGUAGE: **bilingual language (C1)**
ENGLISH LANGUAGE: **intermediate** [active knowledge] :: Writing (B2) | Speaking (B1) | 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 exams for architecture)
- Course **Jazz guitar** (personal lessons with a teacher (Roman Baumgartner Köhler) in Prague realized in 2015)
- Course **Biology/Physics/Chemistry** (entrance exams for medicine, Faculty of Medicine UPJS Kosice, 1st Faculty of Medicine UK Prague)
- group B driving license (I use public transport)

INTERESTS AND HOBBIES

- play the guitar (ballad jazz, blues rock)
- reading books (factual books)
- personal webpage (<http://mttweb.aspfree.cz>)
- writing articles (<https://indicatrixblog.blogspot.com/>)
- writing a diary (<http://indicatrix.wz.cz:8080/>)
- 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.