



Ing. Ľubomír Tkáč

Software Developer / Architect (Tester), Designer

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👤 Profile

Independent, resourceful, and detail-oriented software developer and architect with over 20 years of experience. I quickly grasp new technology — from embedded firmware through desktop and web applications to IoT/Azure architectures and modern AI-assisted development tools (Codex, Claude Code, Cursor, Copilot). Alongside my full-time role I also run my own business and design websites and online software that help people simplify their daily lives.

📁 Work Experience

JUN 2006 — PRESENT

Software Developer / Architect (Tester), Designer

Hengstler s.r.o (Hengstler GmbH) — Kezmarok, Slovakia (Aldingen, Germany)

- AI application architect — designing and developing applications using AI MCP and coding agents (Codex, Claude Code, Cursor, Copilot)
- C# .NET Core 3.1 web application development using MS SQL, MySQL, Azure and the JIRA REST API
- JIRA Software administration; database architect (MySQL, MS SQL)
- Microsoft Azure IoT architecture design and implementation for Digital Factory, using Microsoft IoT SDK and Power BI for data analysis
- Digital Factory implementation, IoT 4.0, predictive maintenance tools
- Development of a new encoder type using Agile Software Development / SCRUM
- Tessy — unit testing of embedded firmware (encoder) to apply for TÜV SIL 2/3 certification
- ARM development boards, ARM Linux CUPS printer driver development (Raspberry Pi, Banana Pi...)

- C# tool for collecting, analyzing and reporting production measurement data
- Android and Linux CUPS printer driver development (USB/RS232/TCP-IP), API design
- Microsoft WHQL printer driver certification, digital signature architecture for signing sources and applications
- Firmware development for thermal printers (Black Fin, Visual DSP++), barcode/2D implementation

DEC 2019 — 2022

Software Developer

DOXXBet, s.r.o. — Žilina, Slovakia

- Nases system implementation, C# programming

SEP 2005 — NOV 2005

Programmer (Tester)

Siemens PSE — Kosice, Slovakia

- PERL test applications for a new 3G network system



Additional Work Experience & Projects

2016 — present

Restaurant management software

A comprehensive system for restaurant operations. (.NET C#, MySQL)

2011 — present

Restaurant daily menu creator

Software for creating and managing a daily restaurant menu. (Java, MySQL) — motorestdavid.sk

2009 — present

Order & stock management system for restaurants and bars

A custom system for managing orders and stock. (Java, MySQL) — koloseumbar.sk

2008 — present

Jukebox software

Design and development of jukebox software, with new features implemented continuously. (Java, MySQL, Microchip)

2015**Android app for Bluetooth monitoring**

QT5 application for monitoring data transmitted over a Bluetooth connection.

2014**Intelligent home electricity system**

System design based on Arduino development boards.

2013**Koloseum Bar Messenger**

Android app for customer communication for the venue.

2010 — 2018**Koloseum Bar — Owner**

Full ownership and operation of a restaurant/bar.

2008**Data mining application**

Multithreaded Java application (up to 30 threads) for Windows/Linux with a MySQL database.

2007 — 2008**Go-kart timekeeping system**

Design and implementation of a timekeeping tool. (C/C++, RS232 communication) — motokarytatry.sk

2005**Food server — Lineberger's Seafood**

Gatlinburg, USA. Seasonal work, customer service.

2003 — 2004**Food server — Alamo Steakhouse**

Gatlinburg, USA. Seasonal work, customer service.

**Business**



2018 — PRESENT

Co-Founder (with Martin Pavličko)

RotacneLasery.sk and related e-commerce stores — measuring and spraying equipment



2006 — PRESENT

CEO

LTSolutions.sk — my own brand and software/web consulting practice



2006 — PRESENT

Design, development and management of web projects

15+ websites and online stores managed — see the full list below

See the full project & domain portfolio ↗

>_ Technical Skills

PROGRAMMING LANGUAGES

C / C++	8/10
Java	7/10
C#	7/10
XML	7/10
SQL	6/10
HTML	6/10
PHP	6/10
XSL	6/10
PERL	5/10
QT5 / C++	5/10
Android SDK / ADT	4/10



SW architecture

4/10

Network architecture

5/10

GSM / SIM cards

4/10

Ethernet

5/10

Cisco networking

4/10

Firewall / Hubs-routers

5/10

HARDWARE & FIRMWARE

ARM development boards

Raspberry Pi

Banana Pi

Arduino

Microchip / MPLAB

STM / Atollic Studio

Visual DSP++ (Black Fin)

Tessy — firmware unit testing

CAD / DRAWING

ArchiCAD

Pro100

TOOLS, METHODOLOGIES & AI-ASSISTED DEVELOPMENT

Visual Studio

JIRA Software (administration)

SCRUM / Agile

Eclipse (Java, C++)

QT Creator

Android Studio

MPLAB X IDE

NetBeans IDE

Doxygen

Understand C (static analysis)

LINT

Confluence

Tortoise SVN

Track+ (Allegra)

LaTeX

MS Office

Codex

Claude Code

Cursor

GitHub Copilot

 References & Interests

Ruud Horbach — Software Engineer, Hengstler GmbH, Germany

Misel Batmend — R&D Leader, Hengstler GmbH

Reference contact details are available upon request during personal contact.

My work is also my hobby. In my free time I enjoy basketball, volleyball and swimming, and I like skiing in winter. One of my favorite hobbies is also furniture design and making (lu8ino.sk) — I design websites and online software that help people simplify their daily lives.

Education

2001 — 2006

Technical University of Kosice

Computer and Artificial Intelligence — Master's degree (Dipl. Ing.), Electrical Engineering

1996 — 2001

Gymnasium, Poprad

Major: Programming — Graduated with honor

1989 — 1996

Elementary school, Poprad

Courses & certificates

2026

"Vibe Coding" — Codex, Claude Code

l-a-b-a.cz

2018

Microsoft Azure architecture

2016

Certified SCRUM Master

scrumalliance.org

2012

ISTQB Certified Tester

Foundation Level

2005 / 2004

Cisco CCNA 1 & 2

Networking & Routing Basics

Languages

Slovak	Native
English	Active
German	Basic
Czech	Passive
Polish	Passive