

Miloš Savara

.NET Lead Software Engineer / Solution Architect

MS

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I'm a .NET lead engineer and solution architect in Vienna. For 20 years I've built and run software where money or safety is on the line: a real-money gaming platform with 15+ payment gateways, a road-traffic IoT platform, and a nationwide blood-collection system.

Since June 2025 I've been building Budgetox, a personal finance product, as its sole developer. Before that I led .NET teams of 12 at Tom Horn Gaming and 5 at EBE Solutions.

20

Years on .NET, from Framework 1.1 to .NET 10

17

Developers led across two teams

15+

Payment gateways integrated for real-money gaming

500+

Automated tests behind Budgetox

2006

7 ROLES · 5 CITIES · 3 COUNTRIES · PRESENT

01

Experience

7 roles · 5 cities · 3 countries

FROM TO
Jun 2025 Present

DURATION
1 yr 5 mos

LOCATION
Vienna, Austria
48.21° N, 16.37° E

Founder & Developer

Budgetox ↗ FINTECH SAAS

A live personal finance SaaS, designed, built and operated by one person.

- Founded Budgetox and built a **live personal finance SaaS** with accounts, budgets, bank CSV import, recurring bills, savings goals and multi-currency support.
- Enforce financial correctness with **immutable Money types**, PostgreSQL triggers that pin decimal scale per currency, GiST exclusion constraints against overlapping budget periods and a transaction audit trail.
- Keep imports and dashboards fast with **BulkX**, an internal library of source-generated PostgreSQL COPY writers guarded by benchmark gates, and materialized dashboard rollups.
- Handle **multi-currency with ECB reference rates** and triangulation, Stripe subscription billing with idempotent webhooks, and in-memory FusionCache caching with tag-based invalidation.
- Isolate tenants with EF Core query filters and **PostgreSQL row-level security**, and serialize concurrent balance updates with advisory locks.
- Run it in production on Linux with .NET 10 Blazor Server and Hangfire, deployed by GitHub Actions and gated by **500+ automated tests**.

.NET & C#

ASP.NET Core

Blazor Server

PostgreSQL

Entity Framework Core

Hangfire

FusionCache

Stripe billing

GitHub Actions

Linux & systemd

FROM TO
Jan 2021 May 2025

DURATION
4 yrs 5 mos

LOCATION
Vienna, Austria
48.21° N, 16.37° E



.NET Lead Software Engineer

EBE Solutions **IOT / ITS**

Distributed IoT platform for intelligent transport systems, from a custom MQTT broker to the traffic lights it controls.

- Architected the platform: a **custom .NET MQTT broker**, a real-time algorithm engine, a REST API and 8+ Linux systemd microservices on PostgreSQL.
- Designed convention-based MQTT routing with **90+ JSON Schema-validated device parsers**, so new edge hardware, from industrial PCs to NVIDIA Jetson, plugs in without changes to the broker core.
- Built the **ANPR/OCR vision ingest**: hybrid RSA/AES-encrypted JPEG frames in Google Cloud Storage, immutable detection records, a human-review revision layer and confidence scoring.
- Implemented real-time traffic algorithms with **100 ms event coalescing** and anti-flapping, driving LEDs, GPIO and traffic lights over MQTT.
- Hardened the broker with **topic ACLs and throttling interceptors** as part of a multi-layer security model.
- Tuned PostgreSQL for high-ingest IoT workloads with **EF context pooling and covering indexes** on time-series readings.
- Owned Linux production end to end: Bitbucket CI/CD, single-file .NET publishes, **zero-downtime deploys** and Hetzner cloud-init.
- Led a **team of 5** developers through architecture reviews and mentoring.

.NET & C#

ASP.NET Core

MQTT

PostgreSQL

Entity Framework Core

JSON Schema

NVIDIA Jetson

Google Cloud Storage

Linux & systemd

Bitbucket Pipelines

Hetzner

FROM TO
Oct 2016 Dec 2020

DURATION
4 yrs 3 mos

LOCATION
Bratislava, Slovakia
48.15° N, 17.11° E



.NET Lead Software Engineer

Tom Horn Gaming **REAL-MONEY GAMING**

Reliability, payments and regulatory licensing for a real-money gaming platform across multiple countries.

- Owned reliability, performance and financial security of the **real-money gaming platform**: player wallets, live betting and jackpots.
- Integrated **15+ payment gateways**, from cards and e-wallets to crypto and vouchers, over REST and proprietary protocols.
- Implemented **transaction safety** with idempotency, rollback, reconciliation and anti-fraud controls.
- Tuned Microsoft SQL Server and application logic for **sub-second responses** under peak load.
- Delivered the **production rollout in mainland China**, behind the Great Firewall.
- Led payment-provider coordination, government certification and regulatory audits that **secured operating licenses in multiple countries**.
- Ran AWS and Azure production environments and CI/CD pipelines, and **led and mentored a team of 12** developers.

.NET & C#

Microsoft SQL Server

REST APIs

AWS

Azure

CI/CD

FROM TO
Dec 2013 Sep 2016

DURATION
2 yrs 10 mos

LOCATION
Bratislava, Slovakia
48.15° N, 17.11° E



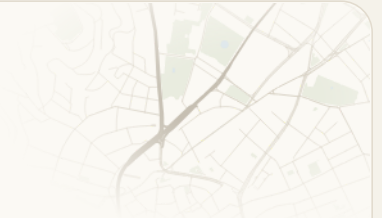
Senior Software Developer

Datalan **ENTERPRISE CRM**

Dynamics CRM delivery for Slovakia's largest mobile operator and a major insurer.

- Led Dynamics CRM implementations for **Slovakia's largest mobile operator** and a major insurance company, including delivery planning and client communication.
- Built an SSIS migration from **8 legacy systems** and extended CRM with plugins, workflows, forms and JavaScript on Dynamics CRM 2013–2015.

Dynamics CRM SSIS .NET & C# JavaScript



FROM TO
Sep 2010 Nov 2013

DURATION
3 yrs 3 mos

LOCATION
Trenčín, Slovakia
48.89° N, 18.04° E



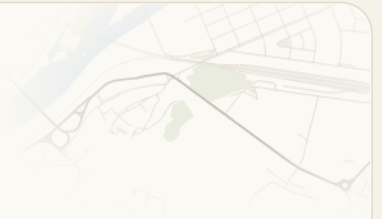
Software Developer

ICZ Slovakia **HEALTHCARE**

A nationwide blood-collection management system, designed, delivered and run in production.

- Designed and delivered a **nationwide blood-collection management system** in C# and WPF on Microsoft SQL Server.
- Owned the WPF client and the SQL Server 2008 R2 backend: **schema, stored procedures, reporting and audit trails**.
- Supported the national rollout and **more than three years of production operations** across Slovakia.

.NET & C# WPF Microsoft SQL Server



FROM TO
Sep 2007 Aug 2010

DURATION
3 yrs

LOCATION
Prague, Czech Republic
50.08° N, 14.44° E



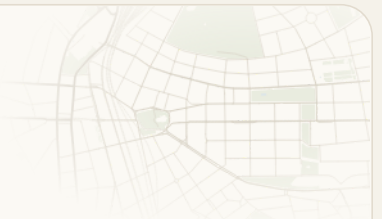
Junior Developer

Cleverlance **CONSUMER LENDING**

Dynamics CRM 4.0 customization for loan and credit-card processing at Essox.

- Customized **Dynamics CRM 4.0** for Essox, a consumer-finance lender: C# plugins, workflows, JavaScript, SSRS reports and data-migration tools for loan and credit-card processing.

Dynamics CRM .NET & C# JavaScript SSRS



FROM TO
Aug 2006 Aug 2007

DURATION
1 yr 1 mo

LOCATION
Dubnica nad Váhom, Slovakia
48.96° N, 18.17° E



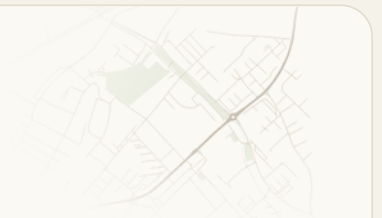
Junior Developer

Trilobit Systems **DESKTOP & GAMING**

First job: desktop software in Windows Forms and PostgreSQL, plus legacy gaming software.

- Contributed to **Pyrobatis**, a Windows Forms and PostgreSQL desktop application, and supported legacy gaming software.

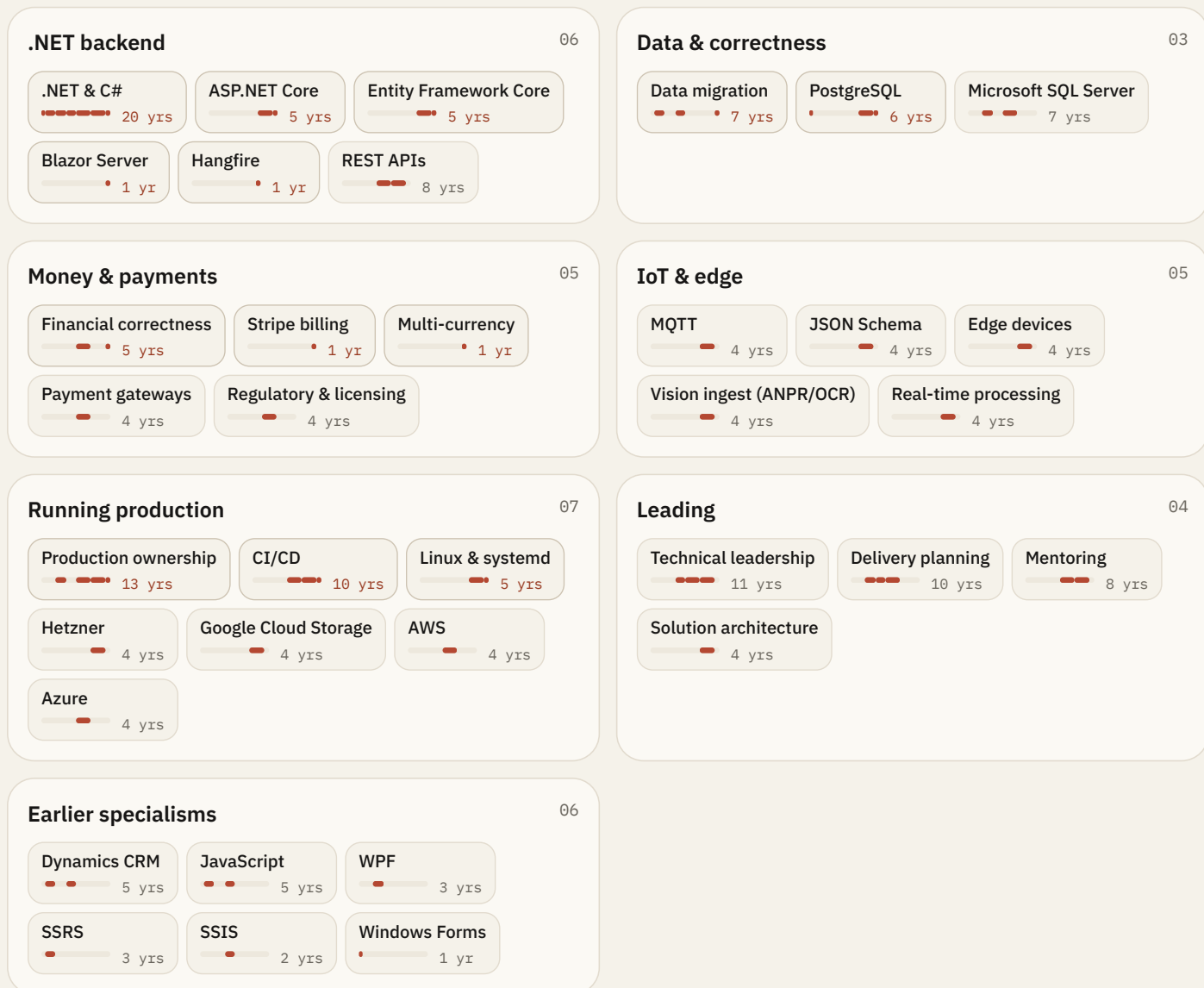
Windows Forms PostgreSQL .NET & C#



Skills

36 skills · evidence from 7 roles

Each bar shows which roles used the skill, from 2006 to today.



Background

School · certifications · languages

SCHOOL Secondary Technical School Electronics and CNC Systems Trenčín, Slovakia · 2003–2007	CERTIFICATIONS Microsoft Certified Professional Dynamics CRM 2013 Customization Dynamics CRM 2013 Deployment Earned while delivering Dynamics CRM 2013 projects at Datalan.	LANGUAGES Slovak Native Czech Native English Professional working proficiency
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