

Curriculum Vitae

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Experience

I have been working as a freelance software developer for over 14 years. So far I have developed several large, complex client (WPF, Silverlight) & web-based (WCF, ASP.NET) applications in the field of online marketing, healthcare, multimedia, and LOB (Line Of Business).

Skills

The list below contains a grouped set of technology stacks I have used in applications for solving real-world business problems.

Microsoft Technology Stack

- MS Build System
- Managed Extensibility Framework (MEF)
- C# Roslyn & Compiler API
- Microsoft SQL Server
- Entity Framework (Core)
- Asp.Net (Core | SignalR | Mvc | Web Api | Web Pages) + SPA
- Windows Communication Foundation (WCF) + SOA
- Windows Presentation Foundation (WPF) + MVVM
- Windows Workflow Foundation (WF)

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Web Client Stack

- Build Systems (Web-Pack, Gulp, Grunt)
- HTML, XHTML
- CSS
- LESS
- JavaScript (ECMA 5, 6, x specification)
- TypeScript
- JS Libraries (Bootstrap, Beautify, CodeMirror, FancyTree, FileUpload, Globalize, JCarousel, jQuery, KnockoutJS, SammyJS, TinyMCE, TokenInput, Typeahead, ...)

Design Principles & Practices

- Separation of Concerns (SoC)
- Domain-Driven Design (DDD)
- Model-View-Controller (MVC)
- Model-View-ViewModel (MVVM)
- Dependency Injection (DI)
- Pluggable Modules (MEF)
- Lock-free Programming, Data Structures

2002-2010

In the beginning of the 2000s I mostly worked on multimedia content management systems for a Hungarian multimedia studio. We created unique native DirectShow-based Windows multimedia applications & CDs for Hungarian small and medium-sized businesses. This project, Partnerinfo EU, was really a success story in Hungary and we had more than 2,500 business partners with online video content made by our professional multimedia studio, including both [Microsoft](#) and [Sanofi-Aventis](#).

2010-2016

A few years ago I paired up with a Google marketing specialist. Together we started to build our own online marketing system to help small businesses take advantage of modern, customer-friendly, and real-time communication solutions.

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This project aimed to cover the following areas:

- Collaboration & Security
- Project Management
- Workflow Engine for Web Actions
- Workflow Designer
- Action link editor
- Contact management
- Newsletter management
- Business tagging system
- Unlimited web page, domain management / project
- Blazing fast web designer (HTML, CSS, JS editors)
- JS Module Engine & Modules (Chat, YouTube, Video Search, ...)
- Logging & Rule-based filters
- Real-time notifications
- Education

You can find more information about this project here:

<https://github.com/janosjanka/Partnerinfo>

Interests

- Online Marketing, Clicktale, Heatmaps, Google Analytics
- Real-Time Web Technologies, WebRTC, SignalR, Web Sockets
- Compiler Front-Ends & Back-Ends, Code Optimizations
- Design Patterns & Practices
- Bleeding Edge Technologies
- Water Sports (Fishing, Sailing, Boating, etc.)

Publications

Hungarian Blog:

<https://jankajanos.wordpress.com/about/>

English Blog:

<https://janosjanka.wordpress.com/about/>