

PIOTR WANDYCZ

senior .NET developer | piotr.wandycz@gmail.com | wandycz.net

Personal projects

pytania.net

Development: Oct 2023 – ongoing (MVP released Dec 2023)

Tech stack: .NET 10, ASP.NET Web API, Blazor WASM

Topic area: recruitment of .NET developers

Country: Poland

About: I've had an idea since December of 2020 to create a website that would help people when they're looking for a new job. Main reason behind the idea was to create a place where one can learn for a job interview, by expanding his/hers knowledge, based on a big set of high quality questions, but also to provide a tool helping the people doing the interview. I've released an MVP in Dec 2023 and I'm planning to work on expanding that in the upcoming years.

Projects completed for **Accenture** · 2024 - 2026

Development: Mar 2025 – ongoing

Tech stack: .NET 4.7, .NET remoting, Windows Services, ASP.NET Web API, ASP.NET Web Forms, Service Bus, Application Insights, Azure SQL Server

Topic area: fuel and fleet mobility payments solution

Country: worldwide

About: I'm currently a part of dev team (4 senior .NET devs) and our job is to improve the performance and modernize the tech stack in an ecosystem of applications. There are multiple projects we're working with: TCP/IP Windows Gateway solution, several Windows Services, back-office portal, API project, console file imports and multiple other console applications support tools. Our job could be summarized as shortly as: 1. Improve performance – by splitting a singular database into a two that'll synchronize the data; 2. Replace MSMQ with Azure Service Bus across the platform; 3. Replace old logging with Application Insights (using Open Telemetry) and implement metrics. There were no documentation and we've been regularly discovering new applications that we needed to take care of. We're working on our dev branch with active development of ongoing on regular develop and merging from time to time to ours. In addition to being a developer there – I'm also coordinating work of other devs with our architect and customer's team.

Development: Jan 2025 – Feb 2025

Tech stack: GoLang

Topic area: API connectors

Country: United States of America

About: I've created a couple of connectors in Python to integrate between external APIs to get end users data and files and load into AI-powered dashboard solution. It loaded the context of synchronized files to be able to search across different providers from single point of entry.

Development: Aug 2024 – Dec 2024

Tech stack: .NET 6, Azure Functions, Oracle DB, Azure Blob Storage

Topic area: ETL, financial data transformations

Country: United States of America

About: I was working in an ETL solution that used timer-trigger Azure Functions to extract financial data from different APIs, transform them to a financial standard that works with Oracle DB, zip it and upload to the Blob Storage, where other part of the system could work with it further.

Development: Apr 2024 – Jul 2024

Tech stack: .NET 8, Azure DevOps API, ASP.NET Web API, Azure Table Storage, Cloudflare, Bicep

Topic area: wellbeing

Country: United Kingdom

About: I was a part of a small dev team that had one more senior .NET dev and two DevOps Engineers. We've helped to create a database sharding solution. Dev team job was to create an API that customer can call to create a new shard of Azure infrastructure. Internally it used Azure DevOps API to trigger a pipeline and return a ticket id, that customer could use to check if job was completed. I've also created a Cloudflare Worker to route end customers to appropriate instances.

Projects completed for **Nexer Insight** · 2022 - 2023

Development: Jun 2022 – Jun 2023

Tech stack: .NET 6, ASP.NET Web API, React.js, Cosmos DB, Event Hub, Service Fabric

Topic area: back office app, event management

Country: worldwide

About: I've created a small team with another senior BE and a senior FE to work on a product that should set a bar for all the future Anticimex solutions. The project was delivered on June 2023, main features were:

- providing tools for back office team to manage customers and sites without need from backend
- an event landscape module with trigger alert system, that should work on classic and modern pest control product families (e.g. if X PIR movement events were detected on a site Y send a technician)

Development: Aug 2022 – Apr 2023

Tech stack: .NET 6, ASP.NET Web API, Blazor WASM, Razor Pages, MS SQL Server, hosted in Azure

Topic area: wellbeing

Country: Poland, Sweden

About: I've picked up an idea from a draft created in Azure Logic Apps by one of our managers. It was an app where employees could publish wellbeing activities and win prizes. It had to run smoothly on mobile and web, used Blazor WASM for that, also created admin panel in Razor Pages. It wasn't a big app, I've done most of work on my own, but I've had a ton of help testing it.

Development: Jan 2022 – Jun 2022

Tech stack: .NET Core 3.1, ASP.NET Web API, React.js, MS SQL Server, Cosmos DB, SF, lots of Azure services

Topic area: pest control

Country: worldwide

About: I was a part of really nice backend team made of 7 senior developers + architect. My job was to help to improve existing API solution that SDT app and branch managers were using. Time was split between maintenance, new features and enablers. SDT app was used to manage trap installations, but the API was also 'public internally' for various branches, so they could make their own tools.

Projects completed for **Atos Global Delivery Center** · 2017 - 2020

Development: Jan 2020 – Jun 2020

Maintenance: Jun 2020 – Dec 2020

Tech stack: .NET Core 3.1, Blazor, Razor Pages, Entity Framework, Dapper, MS SQL 2016

Topic area: onboarding employees

Country: Poland

About: This was a project I've used to train 5 interns on. We've created a solution to help with onboarding

process in our company. There was a user part made of Blazor Server and manager application written in Razor Pages to check progress of his or her employees.

Development: Jul 2019 – Dec 2020

Tech stack: .NET Core 2.2 → 3.1, ASP.NET MVC, ASP.NET Web Api hosted in Azure, MS Azure SQL, Hangfire

Topic area: informing about events

Country: Poland

About: I've heavily contributed to designing a new version of television display content system. The old version was streaming data over the Internet. The new one was using it's own storage and running the application locally (via Raspberry Pi). It contained auto-upgrade feature that were checking it's version every morning and also could be triggered manually. My job was to coordinate two teams: .NET team (4 people including me) that were responsible for an admin content management site (MVC) and an API for TVs (Web Api). The other team (3 people) were creating Raspberry Pi solution using a bit of Python and bash and rewriting frontend part (Angular). The second phase of the project was to create a mobile application using React Native (4 people). My job was to coordinate their work and extend both .NET programs for the upcoming new features. During all these projects we've also had 2 manual testers.

Development: Jan 2019 – Jul 2019

Tech stack: .NET 4.5, ASP.NET Web Api hosted in Azure, MS Azure SQL, Azure Web Jobs, Nunit, Azure DevOps

Topic area: loyalty program for sales representatives

Country: worldwide

About: I was a part of .NET backend team. We had to provide APIs for frontend admin panel and sales representatives mobile applications. The biggest challenge was to work with processing hundreds of thousands records of geographical data - to find items close to the user.

Development: Aug 2018 – Dec 2018

Consulting: 2019

Tech stack: .NET Core 2.1, ASP.NET Web Api, Vue.js, MS SQL Server, NUnit, Git, cryptography

Topic area: employees satisfaction survey

Country: United Kingdom, Netherlands

About: I've joined the project with my friend, at the end of first milestone, to make sure everything goes well with planned releases. The project got handovered to us by another two developers. After discussing changes with a client, I've rewritten most of the codebase. We've decided to use feature folders approach, because we've found out UK and NL versions were two different programs.

Development: Nov 2017 – Aug 2018

Tech stack: .NET 3.5, ASP.NET MVC 4, Entity Framework, OracleDB, TFS, EDIFACT

Topic area: renewable energy sources

Country: Germany

About: It was a big legacy project. We were the fourth team working on it, in a team size of 4 people. Our job was to implement new milestones for the upcoming next big release.

Development: Feb 2017 – Oct 2017

Consulting: 2019 – 2020

Tech stack: .NET 4.6, WPF, Telerik WPF controls, MVVM Light, Entity Framework 6, MS SQL Server 2016, Autofac, TFS

Topic area: construction of railway stations

Country: Austria

About: it was a quite fancy project. We've had to implement our own excel-type WPF application, including

recursive cell calculations between worksheets. Each client would have its own local database, so employees could use the program outside/offline. After working in the field they could come back to an office and could synchronize their work to the main database. For that we had to implement something like custom source control comparer. The team consisted of 4 people, where my roles were co-architect and developer.

Projects completed for **Micro Solutions** · 2015 - 2016

Development: Jun 2016 – Aug 2016

Tech stack: iOS mobile (Swift), SOAP API

Topic area: speed cameras

Country: Switzerland

About: My job during these 2-3 months was to rapidly learn Swift programming language and create a mobile application that would connect to a speed camera to manage it (using its own wifi network).

Development: Feb 2016 – Jun 2016

Tech stack: .NET 4.5.2, ASP.NET MVC 5, Entity Framework 6, ASP.NET Identity

Topic area: stem cells breeding

Country: Poland

About: I was responsible of designing and implementing application supporting stem cells breeding. It was made of a few modules, i.e.: managing parent-children colony breeding, stem cells bank and reporting. Our team was made of 5 people.

Development: Jun 2015 – Dec 2015

Tech stack: .NET 4.5, ASP.NET MVC 5, WCF, Entity Framework 6, LINQ to DB

Topic area: recognition of bacteria

Country: Poland

About: My job was to create an ASP.NET MVC application responsible for managing bacteria colonies. I also helped with creating WCF service for my friends image recognition processor written in Python.

Maintenance: Mar 2015 – Aug 2016

Tech stack: .NET 4.0, ASP.NET Web Pages (VB), asmx web services, LINQ to SQL, MS SQL Server 2012, SQL Server Reporting Services (SSRS), XSLT

Topic area: laboratory information management system (lims)

Country: United States of America

About: When I've joined NeoGenomics it was already around a 10-year old project, which was used in nearly twenty hospitals across the United States of America. The whole system was heavily based on Stored Procedures. My responsibility was to maintain current features and create new ones. Our team consisted of 8 people. Also created a few smaller tools supporting main program (report comparer in WPF, fax utility tool in WPF).

Projects completed for **Dräger Polska** · 2014 - 2015, 2016, 2019, 2021

Development: throughout 2019

Maintenance: 2021

Tech stack: .NET 4.5.2, WPF, Windows Service, MvvmLight, Autofac, NPOI, Serilog, Dapper, MS SQL 2017, Nunit, Git

Topic area: helping with surgeries

Country: Poland

About: The company has reached me again a few years later to create another program. It was made of a

windows service that collected a patient data - sended from a device every minute - via HL7 standard. There was also a WPF client, where either a doctor or a nurse could select a patient, that was undergoing surgery. The application allowed to keep track of emergency situations and all the other surgery details. After the surgery the report was generated - with the patient data throughout entire operation, including parameters grouped into several charts.

Development: Jul 2014 – Feb 2015

Maintenance: 2016

Tech stack: .NET 4.5, WPF, Interop.Excel, Mercurial

Topic area: buying and servicing medical equipment

Country: Poland

About: As a part of my engineering thesis I've created the application (WPF) that supported selling and servicing medical equipment processes. The data was stored in Excel file, because company wanted a fast and easy way for any employee to edit it. The application output was an excel file with an offer, that could be later loaded into the program for edition purposes. After the deployment there were some update requests that were implemented a year later.

Projects completed for **Factory Code** · 2013 - 2014

I was running a company with a friendly graphic designer. We were both responsible for finding new customers. During this time I've created a bunch of websites using HTML5 + JS, some were made with WordPress or Joomla, a pair of shops using PrestaShop and a few applications with CakePHP.

Projects completed for **Microsoft Polska** · 2013

My responsibility as an intern was to create three Windows 8 applications. One of them got promoted by Microsoft Store to the front page. It was a program for freelancers to organize their projects and payments.

Projects completed for **Webstruments.pl** · 2012

Development: Sept 2012 – Dec 2012

Tech stack: NET 4.5, Windows 8, MvvmLight, MS SQL 2008, SVN

Topic area: newspaper

Country: Poland

About: The project was made of three mobile clients: Windows 8, Android and iOS. My job was to write a Windows 8 app, that was consuming an API my friends were responsible of delivering. The biggest challenge was to create a local cache, so the application could be used offline.

Development: Aug 2012 – Oct 2012

Tech stack: .NET 4, Windows Phone 7.5, Windows 8, MS SQL 2008, SVN

Topic area: fitness trainer

Country: Poland

About: I've joined the company to create a fitness application for Windows Phone. The API was provided by my more experienced colleagues. I've had to consume it, show exercises to the user and keep his or her track of fitness plan.