Mykola Zhylka

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Contact:

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Date of Birth: January 4, 1968

Professional Experience

Over 30 years of experience in IT project development and management. Knowledge and application of various information technologies and project management methodologies. Development of technical specifications and terms of reference. Participated in project development in various fields: government, manufacturing, education, business, trade, and others. Involved in the development of web applications and REST web services, microservices, desktop applications, database model design, and analysis of large volumes of data from unstructured sources. Developed B2B, B2C, CRM, and LMS applications. Managed IT departments and development teams of up to 10 people.

Key Technologies and Skills

* Back-end:

C# (.NET/Core), GoLang, Rust, NodeJS, Perl, 1C (6.0-8.3).

* Front-end:

TypeScript, JavaScript, React, NextJS, PWA, Knockout, JQuery.

* Databases (DB):

PostgreSQL, MS SQL Server (SSAS/OLAP, Report Service), MySQL, ORACLE (8-11), InterBase.

* Cloud and Services:

Microsoft Azure (Function App, Service Bus, Storage Accounts, SQL Databases), Vercel, SupaBase, Google services.

* Tools and Methodologies:

REST API, SOAP WSDL, MVC, EntityFramework, Prisma, Microservice Architecture, GitHub/GitLab, VSCODE, Postman.

* OS/Other:

Windows, Unix, MacOS, 1C from 6.0 - 8.3.

EXPERIENCE - PROJECTS

2025 – Present

IT-Architect / Lead Developer / [Ukrainian Payment Agency](#) / [Niras Sweden AB](#) / Kyiv

Contract work: "Institutional and Policy Reform for Smallholder Agriculture (IPRSA)" EuropeAid/140723/DH/SER/UA in cooperation with the Delegation of the European Union to Ukraine.

Key Responsibilities and Achievements:

- **IT Infrastructure Planning:** Developed a plan for the distributed IT infrastructure for the "Payment Agency."
- **Requirements Definition:** Established requirements for hardware and software, and security standards for workplaces in regional offices.
- **Server Architecture and Data Center (DC):** Defined technical requirements for server architecture, operating environment, and data centers (DC). Justified necessary software, ensuring its compliance with national and international standards. Calculated the required quantity and configuration of server equipment.
- **Automation and Integration:** Analyzed the automation needs of the "Payment Agency." Defined integration criteria with state services ([State Agrarian Register - DAR](#), [DIIA](#)), banking systems, and electronic document management systems (DMS).
- **Web Development:** Developed the CMS website for the project https://p-agency-ua.vercel.app/en, created reports, and ensured integration with state services.

Technologies and Platforms Used:

- **Technologies:** NodeJS server, NextJS, React, PostgreSQL, Auth20, OpenID, TypeScript, JavaScript, SQL.
- **Services:** GitHub, Vercel, SupaBase, Google Map API.

2024-2025

Software Architect - Lead Programmer / Online Finance, Kyiv

Reporting for Credit Register 2.0 of the National Bank of Ukraine

Obtaining data from distributed sources, internal CRM, and DB data. Report generation, encryption of report data, and digital key signing. Forming an electronic queue for sending data to the NBU. Events, logs, errors, schedule management. Involved in studying technical specifications, analyzing existing data source systems, and developing software architecture, components, and their implementation.

Integration of proprietary CRM with the Electronic Court of Ukraine

Integration of proprietary CRM with the credit history bureau UBKI (https://www.ubki.ua/)

Integration of proprietary CRM with the credit history bureau PVBKI (https://www.pvbki.com/ukr/)

Platforms and Technologies Used:

Microsoft Azure, Function App, SQL databases, service bus, storage accounts, MySQL, PostgreSQL, Asp net core, Node, C#, TypeScript

Database Architect - Data Analysis - ODS and Freon Expert / Suez, Belgium

Collection of information on imported HFCs to establish a baseline for HFC consumption from unstructured sources and various databases: HFC-23 in 2011-2022. Market research.

Obtaining and importing data from various unstructured sources (files, various databases, web services) into MS SQL, SSIS, SSAS. Report creation and data analysis. Project concept for the Kigali Protocol amendment. https://www.suez.com/en/

Period 2015 - 2024

Software Architect - Lead Programmer / Jerelia, Kiev

B2B system for the MLM company https://jerelia.com/;

Designing the structure of the distributed application architecture, developing components and modules of the system critical in terms of load and implementation complexity.

PWA, React, Web client, REST Web service, real-time integration with 1c 8.3 Soap WSDL service. Asp.net core 2.2 -^3 PostgreSQL, MSSQL 200^^, SSAS.

Software Architect - Lead Programmer / Atis Pharma, Kiev

Obtaining and importing data from various unstructured sources (files, web services) into MS SQL 2016, SSIS, SSAS. Report creation.

Software Architect - Lead Programmer / Vosdi, Kiev

LMS for teaching sports exercises and managing students and coaches https://vosdi.org/; PWA, NextJS, React, Web client, REST Web service, Asp.net core 5.1 PostgreSQL

Period 2018 – 2021

Software Architect - Lead Programmer / Import-office, Kiev

B2B system https://io-opt.com; Web client (MVC, knockout, bootstrap), REST Web service, real-time integration with 1c 8.3 REST web service. Asp.net core 2.2, PostgreSQL, MSSQL, SSAS, PB.

Period 2019 – 2020

Software Architect - Lead Programmer / Burokrat, Kiev

B2B system https://burokrat.ua/; Web client (MVC, knockout, bootstrap), REST Web service, real-time integration with 1c 8.3 REST web service. Asp.net core 2.2, PostgreSQL, MSSQL.

Period 2017

Software Architect - Lead Programmer / Laura Ashley, Kiev

Online store https://laura-ashley.com.ua/; Web client (MVC, knockout, bootstrap), REST Web service, real-time integration with 1c 8.2 REST web service. Asp.net MVC, MySQL, MSSQ.

Period 2015

Software Architect - Lead Programmer / APK-Invest, Kiev

B2B system http://orders.apk-invest.com/Account/Login?ReturnUrl=%2f; Web client (MVC, knockout, bootstrap), REST Web service, real-time integration with 1c 8.2 REST web service. Asp.net MVC, MySQL, MSSQL.

Period 2008 – 2018

Software Architect - Lead Programmer / DEBET-KREDIT, Kiev

Offline publication https://online.dtkt.ua/; Offline client, content delivery system. Online http://reader.kontrakty.ua/; Desktop win-application (c#), Web client (MVC, knockout, bootstrap), REST Web service, Asp.net MVC, MySQL, Sql lite.

Period 2022, 2006 – 2014

Software Architect - Lead Programmer / "IT-Link", Kiev

ERP/B2B system https://it-link.ua/; REST web service, Asp.net MVC, MySQL, MSSQL ^2000, SASS(OLAP), Report Service, real-time integration with 1c 7.5-7.7 (8.3) REST web service, Desktop win-application (Delphi7) / (c# dotnet), App server (MIDASS, DCOM).

Period 2006 – 2007

Software Architect - Lead Programmer / "Gallon management plan on the territory of Ukraine", Kiev

Head of the development group for the International project "Creation of a Petroleum Products Management Plan on the territory of Ukraine and an information retrieval system (electronic database)." Customers: International Bank for Reconstruction and Development.

Period 2003 – 2003

Lead Programmer

Contract work with the "TJ COLLECTION" store network - data transfer gateways between ERP "ALFA" (ORACLE 8-9 DBMS) and 1C.

Period 2005 – 2006

Software Architect - Lead Programmer / "Obespechenye", Kiev

Desktop application. Management and accounting system MSSQL ^2000, SASS(OLAP), Report Service, real-time integration with 1c 7.5-7.7 (8.1) REST web service, Desktop client (Delphi7), App server (MIDASS, DCOM). Head of the IT department.

Period 1999 – 2002

Lead Programmer / Korifey, Kiev

Desktop application. Management and accounting system. Software development MS SQL Server 2000, InterBase 5.5, 1C 7 (MS SQL2000), (MS Visual C++ 6.0, MS VFP 7.0).

Period 1996 – 1998

Lead Programmer / OJSC "Tsybulevsky Sugar Factory"

Desktop application. (Delphi3, InterBase 5.0), 1C 7.

Period 1994 – 1996

Head of Automated Data Processing Department / State Tax Inspectorate

System management. Data management.

Period 1993

Engineer-Programmer / OJSC "Tsybulevsky Sugar Factory"

Desktop application. (Delphi3, InterBase 5.0).

Period 1993

Engineer-Programmer

Was hired at Monastyryshche Machine-Building Plant as a 3rd category design engineer in the automated control systems department, programming microcontrollers for automatic control systems, and software development (software for calculating parameters of hot water boilers).

EDUCATION

Period 1986 - 1993

VNTU / Vinnytsia National Technical University

RTF, specialty in design and technology of electronic equipment an