Mykola Diachok

Senior Full Stack Developer / Solution Architect

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Summary

Senior Full Stack Engineer / Solution Architect with 20+ years of experience designing, modernizing, and scaling enterprise-grade software systems across retail, finance, manufacturing, and service industries.

Focused on building **reliable, high-performance platforms**, leading **legacy-to-modern transformations**, and delivering **cloud-ready solutions** in distributed environments.

Core Expertise

- Legacy system modernization (Win32 → Web, Monolith → Modular)
- Enterprise and high-load system design
- Distributed and cloud-based architectures
- API design and system integrations
- Performance optimization and scalability
- Technical leadership and mentoring

Technology Stack

Backend

- .NET, C#, ASP.NET Core, Web API
- SQL Server, MongoDB, Cosmos DB
- Background services, integrations, ETL

Frontend

- Angular, React, TypeScript
- Complex UI state management
- Enterprise-grade data grids and forms

Cloud & DevOps

- Azure (App Services, Storage, CI/CD)
- Azure DevOps pipelines
- Docker, cloud-native deployments

Career Highlights

- Led multi-year **legacy Win32 to web platform migrations** for enterprise clients in the US, UK, and Canada
- Designed and delivered **high-load, multi-tenant systems** serving thousands of users
- Built and optimized **REST APIs** and real-time integrations
- Improved system performance and stability through database and application-level optimizations
- Mentored developers and contributed to architectural decisions across multiple teams

Languages

- **English** — professional working proficiency (daily technical communication)
- **Ukrainian** — native
- **Russian** — native
- **Croatian** — basic conversational

Experience

- **Full Stack Developer**

  8/1/2021 – Present (4 years 5 months)

  Intellias (Intellias) - Zagreb, Croatia

  Migration and development of legacy Win32 applications into modern web solutions using .NET Core, Angular, React for a high-load enterprise platform in business, government, education, and healthcare sectors across the US, UK, and Canada. API development, database optimization (MS SQL, MongoDB, IBMi, Elasticsearch), and CI/CD (Azure DevOps) in an Agile environment. Mentored junior developers and provided guidance to mentees, fostering their professional growth and ensuring alignment with development best practices.

  ### Projects

    - AI-Assisted Development Integration
    - AI Contract Data Extraction & Auto-Fill
    - DevExpress Data Grid Optimization
    - Support for Legacy Win32 Applications
    - Contract Editor
    - Quick Registration System
    - Bid Administration System

- **Senior C# Developer**

  3/1/2021 – 8/1/2021 (5 months)

  DevPro (DevPro) - Kyiv, Ukraine

  My main responsibilities were to develop the design of applications, provide regular support/guidance to project teams, issue resolution, and execution. The legacy system is one of the leaders in the US and Canada for the restaurant business which includes many subsystems for different areas of the business

  ### Projects

    - Legacy Enterprise System Support (VB / .NET)
    - Legacy-to-Modern Platform Transformation (API / Angular)

- **Senior .Net Developer**

  3/1/2020 – 2/1/2021 (11 months)

  Forte Group - Kyiv, Ukraine

Supported and enhanced a collaboration and disclosure reporting platform for Donnelley Financial Solutions (DFIN), helping enterprise customers generate accurate, consistent, and audit-ready disclosure reports.

Projects

- DFIN Disclosure Reporting Platform Support & Enhancements
- High-Load SharePoint Workflows for DFIN Reporting

- ## .Net Team Lead

  3/1/2019 – 2/1/2020 (11 months)

  Tennis Point (Tennis Point) - Kiev, Ukraine

  I led the creation of a new development team in Kyiv to support the main German office. My responsibilities included optimizing the development system and migrating both development processes and CI/CD pipelines to Azure. I was involved in supporting internal projects, developing new systems, and integrating with external clients. I served as the Team Lead, establishing and building a new, large team in Kyiv composed of full-stack developers, QA engineers, and DevOps specialists.

  Projects

  - Perforce → Azure DevOps Migration & Delivery Process Optimization
  - SAP S/4HANA ERP Integration
  - Warehouse Automation (Robots & Conveyor Control)
  - Kyiv Team Build-Up (Developers & QA)
  - Accounting Subsystems Data Exchange & Website Integrations
  - E-commerce Crawler & Data Quality Reporting

- ## CIO

  2/1/2017 – 2/1/2019 (2 years)

  KT Ukraine (KT, Dnipro-M) - Kyiv, Ukraine

  As Chief Information Officer (CIO) at KT Ukraine (DNIPRO-M), I led IT operations and digital transformation across the business. I managed infrastructure, security, and software delivery, built cross-functional teams, and delivered multiple enterprise-scale systems and integrations to support rapid retail growth and omnichannel operations.

  Projects

  - 1C:Enterprise 8.3 ERP Rollout (Warehouse, Offices & Retail Stores)
  - IT Department Transformation & Operating Model
  - Active Directory Rollout & Identity Management
  - Corporate Email Migration to Microsoft Exchange
  - Infrastructure Migration to Cloud (Private Cloud & Google)
  - VMware Virtualization Platform

Education

- **Associate Degree in Computer Programming**

9/1/1996 – 6/30/1999

Kirovohrad Cybernetics and Technical College - Kropyvnytskyi, Ukraine

Core programming, databases, and software fundamentals.

- **Master of Science in Computer Science**

9/1/1999 – 6/30/2001

Kropyvnytskyi National Technical University - Kropyvnytskyi, Ukraine

Specialist in Computer Science, specializing in software development and systems engineering.

- **Business Management**

1/1/2013 – 6/30/2013

Business School "KROK" - Kyiv, Ukraine

Courses in business management, project management, and entrepreneurship.