Mykola Diachok

Senior Full Stack Developer / Solution Architect

- m.diachok@icloud.com
- [+385 91 607 7610](tel:+385916077610)

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 - Faster delivery & stronger code quality

    Integrated AI into the development workflow by designing and iterating prompts, automating repetitive engineering tasks, improving documentation, and accelerating code review and troubleshooting while maintaining code quality and security standards.

  - Contract Data Extraction & Auto-Fill (AI) - Faster processing & higher accuracy

    Implemented AI-assisted document understanding to recognize and extract key fields from contracts (e.g., parties, dates, amounts, clauses) and auto-fill structured forms, including validation and human-in-the-loop review workflows to improve accuracy and speed of contract processing.

- ## 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

  - Enterprise System Support (VB / .NET) - Stable operations for high-availability restaurant chains

    Long-running, mission-critical enterprise system used by restaurant chains across the US and Canada. The platform consisted of multiple tightly coupled subsystems covering operations,

billing, reporting, integrations, and back-office workflows, with high availability and performance requirements.

- Legacy-to-Modern Transformation (API / Angular) - Safer modernization with continuous customer support

  Strategic transformation program to migrate a monolithic legacy platform to a modern, service-oriented architecture with a web-based frontend, while continuing to support existing customers and live operations.

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 - More reliable, scalable, and audit-ready reporting delivery

  Supported and evolved a collaboration platform used by Donnelley Financial Solutions (DFIN) customers to produce disclosure reports. I implemented new API endpoints, improved reliability and performance in a high-load enterprise environment, and contributed to refactoring legacy areas to reduce operational risk.

  I also helped strengthen the delivery process by migrating CI/CD from TFS to Azure DevOps, introducing build validation and automated testing practices to improve release confidence and reduce manual effort.

- High-Load SharePoint Reporting Workflows - Improved stability under concurrency and faster issue resolution

  Worked with SharePoint at enterprise scale to support DFIN-related reporting workflows. I investigated performance bottlenecks, improved stability under high concurrency, and helped troubleshoot issues affecting report generation and collaboration scenarios.

  In close collaboration with the team, I contributed to hardening security and ensuring predictable behavior of reporting-related features in production environments.

.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 - Faster releases, stronger traceability, and smoother QA collaboration

  Led the migration of the engineering toolchain from Perforce to Azure DevOps to improve delivery speed, traceability, and collaboration between development and QA. I designed the target workflow (Git repos, branching strategy, PR policies, and release process), rebuilt CI/CD pipelines, and introduced standardized quality gates (build validation, automated tests, and code review checks). As a result, the team reduced manual release activities, improved change visibility across environments, and accelerated feedback loops for QA through repeatable deployments and consistent build artifacts.

- SAP S/4HANA ERP Integration - Reduced manual operations and improved cross-system transparency

  Worked closely with the ERP team to implement and integrate SAP S/4HANA (SAP HANA-based ERP) into the company's ecosystem. I extended and improved custom modules on the application side and delivered integration components to synchronize critical business data and processes between ERP and internal services.

  Key contributions included defining integration contracts with stakeholders (data mapping and validation rules), implementing reliable data exchange flows (including error handling and retries), and supporting end-to-end delivery together with QA (integration testing, regression testing, and production cutover support). This improved system interoperability, reduced manual operations, and increased transparency of business transactions across teams.

- **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 - Scalable warehouse + retail automation enabling rapid growth

    Led the rollout of 1C:Enterprise 8.3 as a company-wide ERP backbone, automating warehouse operations and standardizing core processes across all offices. I also implemented a retail accounting system based on 1C for the store network to ensure consistent inventory, pricing, and sales reporting.

    This initiative provided a major operational boost: it reduced manual work, improved data consistency, and enabled reliable, scalable expansion of the retail network. As a result, the company accelerated growth and strengthened its position to become a key player in the Ukrainian market.

  - IT Department Transformation - Higher throughput, clearer ownership, and more reliable operations

    Transformed the internal IT function to support rapid company growth. I restructured teams (service desk, infrastructure, business analysis, 1C, mobile, and web), introduced clearer

ownership and SLAs, and improved cross-team delivery by aligning priorities with business stakeholders. This increased throughput, reduced operational bottlenecks, and improved reliability of day-to-day IT services.

Education

- **Master of Science in Computer Science**

  [Kropyvnytskyi National Technical University](#)·Sep 1999 – Jun 2001

  Kropyvnytskyi, Ukraine

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

- **Associate Degree in Computer Programming**

  Kirovohrad Cybernetics and Technical College·Sep 1996 – Jun 1999

  Kropyvnytskyi, Ukraine

  Core programming, databases, and software fundamentals.

- **Business Management**

  [Business School "KROK"](#)·Jan 2013 – Jun 2013

  Kyiv, Ukraine

  Courses in business management, project management, and entrepreneurship.