

# Mykhailo

## Summary

Senior .NET Software developer with 17 years experience. I have strong skills in back-end development of cloud-based Restful Web API solutions (EF, DDD, CQRS, Azure, SQL Server, etc). There are several Fintech and Healthcare projects in my background.

Self-motivated, experienced in autonomous work and in close cooperation in international teams. Acted as a lead on several small projects. I like teamwork and close communications inside team.

Open for the new opportunities.

PS: I am in Ukraine but not applicable for military service. Also I have stable internet connection (landline and Starlink).

## Experience



### Senior Developer

KopenTech

Jun 2019 - Sep 2022 (3 years 4 months)

Fintech project. Developing web and Azure-based financial industry startup.

KopenTech LLC is a financial technology company digitizing workflow around refinancing and trading of structured products.

Azure-hosted ASP.Net backend interacts with React frontend using traditional endpoints and SignalR pushes.

Project includes complicated business-logic and lots of integrations with third-party services.

Platform provides many statistical precalculated data and calculated on 'on-the-fly'.

Most of business logic processes are based on Azure queue. Domain driven development and command-query responsibility separation are the key approaches of the platform.

Responsibilities:

- Implementation business logic for routine operations and for scheduled complicated statistical calculations.
- Implementation of complete set of back-end changes for the new features. Communication with team, front-end developers and testers, to build most efficient work plans for single SCRUM sprint or across several sprints.
- Creation of micro-services using Azure Functions and Azure Service Bus. Integration of them with Web API Restful back-end and front-end using corresponding endpoints and SignalR push notifications.
- Integration with external systems for gathering data using Azure Blob Storage, ftp, endpoints, http calls, etc. Integration with the external payment system in the non-average, complicated way.
- Analyzing business inputs and creation of implementable and testable requirements in cooperation with business analysts.
- Covering all the code with corresponding unit-tests and integration tests.
- Analysis of the performance issues using Azure Insight. Analysis of the code approaches, EF queries, generated SQL, database indexes. Improving of business logic and data structure.

Optimizing database and rebuilding indexes.

- Improving UX using Redis caching for the GET requests. Integration of the cached with database data for the POST/PUT requests.
- Code review, mentoring.

**Skills:** Back-End Web Development · Entity Framework (EF) Core · Microsoft SQL Server · Microsoft Azure · C# · Domain-Driven Design (DDD) · Databases · Design Patterns · Object-Oriented Programming (OOP) · Microservices · Business Logic · Message Queue · SignalR · ASP.NET Core · .NET Core · Moq · Unit Testing · Redis · Problem Solving



## Senior Software Engineer

EPAM Systems

Jan 2019 - Jun 2019 (6 months)

Global coaching platform for enterprise companies. Cloud-based system that includes several web-sites and mobile applications.

Responsibilities:

- Implementation of complete back-end changes set for the new features. Communication with team, front-end developers and testers, to build most efficient work plans for single SCRUM sprint or across several sprints.
- Actively participating SCRUM planning meetings.
- Covering all the code with corresponding unit-tests and integration tests.
- Code review, mentoring.

**Skills:** Back-End Web Development · Entity Framework (EF) Core · Microsoft SQL Server · C# · Databases · Design Patterns · Object-Oriented Programming (OOP) · Business Logic · ASP.NET Core · .NET Core · Moq · Unit Testing · Problem Solving



## Senior Software Engineer

EPAM Systems

Aug 2018 - Dec 2018 (5 months)

Acting lead role on small legacy-code project.

Permission and access control system for power stations. Implements difficult business logic of control for each step for any repairmen and maintenance works. System is used worldwide and is really customizable

Responsibilities:

- Implementation of some changes across back-end and front-end.
- Communication with the customer
- Code review, mentoring.

**Skills:** Databases · Design Patterns · Object-Oriented Programming (OOP) · Business Logic · Moq · Unit Testing · Problem Solving



## Senior Software Engineer

GlobalLogic

Nov 2016 - Nov 2017 (1 year 1 month)

IoT project. It was kind of outstaffing me to the big Germany-based company.

Work included regular, each two-three weeks, business trips to Germany to work offline with

international team. It was exciting to meet and work together with team members from 4 countries.

The client is extending and improving a platform which is a base for a variety of B2B products aimed at digitalization, IoT and cloud technologies introduction.

The goal of the project is to develop several common horizontal services for an existing platform (in particular, to enable assets tracking feature).

International team includes people from several countries with periodical on-site team work.

Scrum command used English as a common language for everyday communication

Responsibilities:

- Back-end development of the business logic and JWT authorization.
- Participation of the clear-SCRUM team without dedicated Lead and Manager roles.
- Publishing and managing Azure resources.
- Communication with international team using English only.

Back-end development. Azure integration.

.Net Core WEB API, Entity Framework Core, MS Azure, Azure AD, Azure IOT Hub, PowerShell

**Skills:** Back-End Web Development · Entity Framework (EF) Core · Microsoft SQL Server · Microsoft Azure · C# · Databases · Design Patterns · Object-Oriented Programming (OOP) · Business Logic · ASP.NET Core · .NET Core · Moq · Unit Testing · Problem Solving



## Senior Software Engineer

GlobalLogic

Jul 2014 - Oct 2016 (2 years 4 months)

Fintech project. Development of Web-based Expense Management Application for big US-based company. Client desired to replace and enhance old expense report solution due to some limitations. New application offers a rich UX, high availability, high security, high extensibility, and low latency solution.

Back-end development (97%), front-end development (3%).

Development of subsystem for downloading and import of huge amount of external billing data (Visa, MasterCard transactions, etc.) in quick and stable batch mode.

Development of subsystem for reporting via email.

Development of Web Api backend.

etc.

.Net, ASP.Net Web Api, Entity Framework code first, SQL-Server, AngularJS, inRule

**Skills:** Back-End Web Development · Microsoft SQL Server · C# · Databases · Design Patterns · Object-Oriented Programming (OOP) · Business Logic · Entity Framework · ASP.NET Core · Moq · Unit Testing · Problem Solving



## Senior Software Engineer

GlobalLogic

Jan 2014 - Jun 2014 (6 months)

Acting lead role on the small Fintech project. Quickly growing billing system, startup. Intended for payments and accounting of small business. Allows two-way synchronisation with other billing systems. Leading of the project.

Communication with client.  
Creating base data-access layer.  
Creating subsystem for synchronization with other billing systems  
ASP.Net, SQL-server



### **Senior Software Engineer**

GlobalLogic

Aug 2010 - Dec 2013 (3 years 5 months)

.Net developer on Healthcare and educational platform projects



### **Senior Software Engineer**

GlobalLogic

May 2008 - Jul 2010 (2 years 3 months)

Acting lead role on the support and customization of the Healthcare system.



### **Software Developer**

Validio Ukraine

Aug 2005 - Apr 2008 (2 years 9 months)

Software Developer on the support and customization of the Healthcare system.

## **Education**



### **V. N. Karazin Kharkiv National University**

Master's degree, Geology/Earth Science, General

Sep 1996 - Jul 2002

## **Skills**

.NET Framework • Back-End Web Development • REST APIs • Entity Framework (EF) Core • Microsoft SQL Server • Microsoft Azure • C# • Domain-Driven Design (DDD) • Databases • Design Patterns