

Mykola B.

Senior .NET Full-Stack Software Engineer

SUMMARY

- 9+ years of experience as a full-stack developer with a focus on .NET technologies.
- Expertise in C#, .NET Framework, .NET Core, and Entity Framework, with a proven ability to design and implement robust, scalable solutions.
- Strong front-end development skills using React, Angular, JavaScript, and jQuery, and proficient in database management with MS SQL Server.
- Developed a cryptocurrency detection and analysis system using F# and functional programming principles to identify and filter scam tokens in real-time.
- Extensive experience with AWS services (Lambda, RDS, S3, API Gateway, CloudWatch) to architect and deploy serverless, cloud-native applications.
- Hands-on experience integrating with a variety of third-party APIs, including Etherscan, Copart, and AWS.
- Skilled in all phases of the software development lifecycle, including project planning, system design, feature development, and maintenance.
- Bachelor's Degree in Cybersecurity with a focus on secure development practices.

TECHNICAL SKILLS

Main Technical Skills	React
Programming Languages	C#, F#, JavaScript, Python
Scala Libraries and Tools	Akka Streams
JavaScript Frameworks	Angular, jQuery, React
.NET Platform	ASP.NET, ASP.NET MVC, Azure, Entity Framework, LINQ, .NET, .NET Core, .Net WCF, WPF
UI Frameworks, Libraries, and Browsers	Bootstrap, CSS, DartSass, HTML, HTML5, jQuery, UI, XML
JavaScript Libraries and Tools	Immutable.js, Redux
Java Libraries and Tools	JSON
AI & Machine Learning	LLM

Mobile Frameworks and Libraries	Notifications
Databases & Management Systems / ORM	Microsoft SQL Server, MySQL, RavenDB, SQL, SQL Server Management Studio
Cloud Platforms, Services & Computing	AWS, Azure
Amazon Web Services	Amazon RDS, AWS API Gateway, AWS Backup, AWS CloudWatch, AWS CodePipeline, AWS Lambda, AWS S3
Industry Domain Experience	Blockchain, Healthcare
BlockChain and Decentralized Software	Alchemy, Etherscan, ETH (Ethereum blockchain), Tokens
SDK / API and Integrations	API, AWS API Gateway, Swagger, Telegram API, Web API
QA, Test Automation, Security	Automated testing, Cybersecurity, Data Security, Debugging, NUnit, Postman, xunit
Deployment, CI/CD & Administration	CI/CD
Mail / Network Protocols / Data transfer	Cisco
iOS Libraries and Tools	Core Data
Virtualization, Containers and Orchestration	Docker, Storage
Methodologies, Paradigms and Patterns	Functional Programming, microservices architecture, serverless, SOLID
Version Control	Git, SVN
Web/App Servers, Middleware	Internet Information Services (IIS)
Third Party Tools / IDEs / SDK / Services	SQL Server Management Studio
UI/UX/Wireframing	UI/UX
Other Technical Skills	Backend, database, Data Management, HR, Linux Pentesting Tools, Logging, MS, Razor Pages, Software Development



EXPERIENCE

Fullstack Developer, Crypto Coin Detection & Analysis System

January 2025 - May 2025

Description: Developed a .NET-based application that integrated with Etherscan, TokenSniffer, Alchemy, and Basescan APIs to automatically detect all newly created tokens on the Ethereum network. In alignment with the client's vision, the system applied custom heuristics and real-time on-chain data to identify and filter out scam tokens, storing only legitimate tokens in a structured database.

- The system continuously monitored trading activity, tracked purchase patterns, and calculated the average holding period across multiple timeframes to assess investor sentiment and token volatility.
- A custom-trained LLM (Large Language Model) was also integrated to analyze market trends, historical price patterns, and social signals, offering predictive insights into a token's potential for growth or decline.
- The solution leveraged functional programming principles through F#, enabling concise, immutable, and type-safe logic for core data transformations, token validation heuristics, and parallel computation of blockchain data streams.

Used Technologies: F#, Functional Programming, .NET Core, Nethereum, Nethermind, React, Telegram API, Etherscan API, TokenSniffer API, Basescan API, Alchemy API, Dextools, Dexscreener, Coinbase API

Fullstack Developer, Cars and Credit Master: Copart Auction Integration & Internal Tools

August 2024 - December 2024

Description: Cars and Credit Master is a pre-owned car dealership group specializing in financing newer and luxury vehicles for customers with limited or poor credit history.

Developed and maintained an internal web application that facilitated integration with Copart, a global provider of online vehicle auction services. The solution enabled Cars and Credit Master employees to seamlessly manage vehicle auctions and communications directly from their internal system.

Responsibilities:

- Built a wizard-based UI that allowed users to list and manage vehicles on the Copart platform
- Integrated Copart API and email channels, capturing and displaying incoming requests and auction-related messages
- Implemented real-time user notifications for incoming messages and updates
- Enabled viewing of message details directly within the internal system
- Handled general maintenance tasks including bug fixes, UI/UX improvements, and database stored procedure updates

Used Technologies: C#, .NET Framework 4.5, Entity Framework, LINQ, MS SQL Server, React, JavaScript, jQuery, HTML5, CSS, Bootstrap, Git, AWS, JSON, XML



Full-stack Developer, Investor Analytics Platform

February 2024 - July 2024

Description: The project aimed to simplify the process of connecting start-ups with potential investors. The application provided users with access to analytical insights through a clean and accessible interface. I was involved in integrating backend data into the front-end views, enabling real-time and historical analytics.

Responsibilities:

- Integrated database data into the user interface
- Developed and optimized front-end components
- Ensured data consistency and performance

Used Technologies: ASP.NET Core 2.1, .NET Framework 4.7.2, React, JavaScript, jQuery, Entity Framework, SQL Server, Web API / WCF, AWS, JSON, XML

Fullstack Developer

June 2023 - July 2024

Description: Developed a cloud-native healthcare management system to streamline patient data storage, appointment scheduling, and medical report generation. The system ensures compliance with healthcare data security standards while providing scalable and reliable performance.

Responsibilities:

- Designed and implemented the backend using AWS Lambda for serverless architecture.
- Created a secure database system with Amazon RDS and encrypted data storage in S3.
- Developed APIs for patient data management and scheduling using AWS API Gateway.
- Implemented automated backup and recovery solutions using AWS Backup.
- Ensured real-time system monitoring and logging through AWS CloudWatch.
- Deployed a CI/CD pipeline with AWS CodePipeline for automated testing and deployment.

Used technologies: .NET, AWS Lambda, Amazon RDS, S3, AWS API Gateway, AWS Backup, AWS CloudWatch, Angular, Microservices Architecture

.Net Developer, Payroll Software and HR Solutions Platform

September 2020 - June 2023

Summary: Ongoing development of a robust platform providing leading payroll software with integrated HR solutions for a seamless payroll experience.

Responsibilities: Develop and maintain software applications using .NET technologies, write clean and efficient code, debug and troubleshoot issues, collaborate with teams, and stay updated with .NET technologies

Technologies: .NET, Back-End, Web, API



Full-Stack Developer, Hotel Services Application

2019 - 2020

Summary: Full-stack development for an American hotel company's portal, facilitating user selection of hotel amenities and administrative control.

Responsibilities: Rewrote old portal code into new React project with Redux, developed new features, maintained project stability

Technologies: C#, .NET Framework, React, Redux, Git

.Net Developer, CRM Solutions Development

2018 - 2019

Summary: Creation and maintenance of CRM solutions for European clients using Microsoft Dynamics 365 and .Net

Responsibilities: Participated in project estimation and planning, developed new features and components, identified and resolved performance bottlenecks, devised solutions to problems, maintained project stability

Technologies: C#, .NET Core, React, Git, Microsoft Dynamics 365

.Net Developer, Mobile Account Management Application

01.2018 - 08.2018

Summary: Provision of software development for a large GSM operator in Uzbekistan, specifically for a user account management application and administrative panel.

Responsibilities: Provided CRM solutions, troubleshoot software debugging/upgrading processes, fixed bugs, maintained application stability

.Net Developer, E-learning Platform Development

05.2017 - 12.2017

Summary: Development of a comprehensive e-learning platform allowing interactive topic selection, progress tracking, and participation validation.

Responsibilities: Developed new features and components, resolved performance issues, troubleshoot software debugging/upgrading process, evaluated and improved program effectiveness, provided stabilization

Technologies: C#, .NET, ASP.NET, Entity Framework, JavaScript, MS SQL, HTML, CSS, Git

.Net Developer, Financial Platform Enhancement

06.2016 - 10.2016



Summary: Contributed to the development and enhancement of a financial platform designed to promote healthy money habits through personalized Financial Game Plans and reports.

Responsibilities: Refactored the code, debugged endpoints, established database connections and API tests, created configurations, provided stabilization

Technologies: C#, .NET, ASP.NET, SQL Server Management Studio, xUnit, Git

EDUCATION

Bachelor's Degree in Cybersecurity, Odessa Polytechnic National University

CERTIFICATION

- Andersen Development Certificate with B1 English as Middle I and Middle II.
- Azure Fundamentals.
- CRM Dynamics 365 Sales Certificate.

