

OLEH TROMPAK

Middle .NET Backend Developer

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PROFESSIONAL SUMMARY

Results-driven Middle .NET Backend Developer with proven experience designing scalable, distributed applications utilizing Clean Architecture and CQRS. Proficient in building high-performance REST APIs with ASP.NET Core, Entity Framework Core, and PostgreSQL. Adept at implementing secure authentication (JWT, OAuth), integrating third-party services, and deploying containerized solutions using Docker and CI/CD pipelines. Strong collaborator focused on writing testable, maintainable code to drive business value and system reliability in fast-paced environments.

TECHNICAL SKILLS

Programming Languages: C#, JavaScript, TypeScript, Dart, C++, SQL, x86 Assembly

Backend Frameworks: ASP.NET Core (Web API, MVC), .NET 8, Entity Framework Core, SignalR, Node.js

Frontend Technologies: React, Blazor, Vite, Flutter, HTML/CSS

Databases: PostgreSQL, Microsoft SQL Server, Redis, MongoDB

Architecture & Patterns: Clean Architecture, CQRS, MediatR, Microservices, RESTful APIs, Dependency Injection, API Gateway

Cloud & DevOps: Docker, Docker Compose, Azure, GitHub Actions, CI/CD, Git

Tools & Libraries: AutoMapper, FluentValidation, Swagger, OpenAPI, Scalar, Figma

Testing: xUnit, Moq, Cypress

PROFESSIONAL EXPERIENCE

Backend Developer & Co-Founder | Tutor Matching Platform

Sep 2024 – Mar 2025

- Architected and implemented a highly scalable microservices ecosystem utilizing an **API Gateway** to decouple user management, search, and booking domains.
- Engineered a high-performance relational database schema in **PostgreSQL**, optimizing complex queries for session bookings, tutor availability, and metadata retrieval.
- Implemented robust **role-based access control (RBAC)** utilizing **JWT** and **OAuth** to secure system endpoints for distinct user and administrator roles.
- Developed an internal administrative dashboard using **ASP.NET Core** and **Blazor**, streamlining content moderation, user application workflows, and system monitoring.
- Established **CI/CD** workflows and strict version control policies via GitHub to ensure seamless collaboration across backend and UI/UX design functions.

.NET/React Full-Stack Developer (Freelance) | Various Commercial Projects

Jan 2024 – Jul 2024

- Designed the backend architecture and database schema for a Web Product Management System using **ASP.NET Core** and **SQL Server**, ensuring long-term scalability for retail inventory.
- Implemented efficient filtering mechanisms utilizing structured categoryIds and advanced search algorithms, significantly improving product discoverability.
- Built a comprehensive Personal Management System featuring attendance tracking and dynamic performance reporting, reducing manual HR data entry overhead.

- Developed responsive, full-featured administrative panels in **React**, bridging complex backend logic with intuitive user experiences.

TECHNICAL PROJECTS

ReiNes – Tournament Management System

Technologies: ASP.NET Core, Entity Framework Core, PostgreSQL, MediatR, xUnit, Moq

Key Features: Comprehensive club tracking, dynamic coaching assignments, and automated member management

Architecture & Challenges: Leveraged Clean Architecture and the Repository pattern to manage complex entity relationships between clubs and members; ensured zero-regression deployments through extensive unit and integration testing

Zets – Social Media Mobile Platform

Technologies: Flutter, Dart, Firebase, .NET REST API

Key Features: Secure user authentication flows, dynamic profile models, and real-time interaction feeds

Architecture & Challenges: Built robust frontend state management in Flutter, seamlessly integrating with a scalable backend service to handle high-frequency data reads

NovaFlix – Media Streaming Interface

Technologies: React, SCSS, Vite, Component-Based Architecture

Key Features: High-performance streaming-style user interface with modular, reusable JSX components

Telegram Insurance Bot / Asset Price Service

Technologies: C#, Telegram.Bot API, Redis, Background Services (Hosted Services)

Key Features: Real-time asynchronous asset price polling and automated user notification dispatching

EDUCATION

Bachelor of Science in Software Engineering | Uzhhorod National University *Sep 2022 – Jun 2026*

- Diploma Thesis: Enhancing Intrusion Detection Systems (IDS) for malware recognition utilizing hybrid quantum machine learning (PennyLane, PyTorch)
- Core Coursework: Object-Oriented Design, Algorithms, Data Structures, Low-Level Architecture (AVR, x86)

OPEN SOURCE & ACHIEVEMENTS

- Actively utilize and advocate for modern API documentation tools like **Scalar** over traditional Swagger UI for enhanced developer experience.