



PIOTR SZCZACHOR

FULLSTACK .NET DEVELOPER

EXPERIENCE

ClearCourse | .NET Developer with React Payment platform

2025.11-Present

- Developing the company **payment** platform built on a distributed **Akka.NET actor system**
- Designing and implementing **gRPC services**, including **streaming** endpoints for **real-time communication**
- Practicing **BDD** - features specified as executable scenarios before implementation
- Integrating **AWS** services - **SQS** for messaging and **DynamoDB** for persistence
- Use **Docker** for services containerisation
- Documenting system designs with **UML**
- Leveraged **Claude Code** to accelerate development process

Workshop Management System

- Developed and maintained a **car workshop management system** used across the UK - new features, bug fixes, and long term maintainability
- Built an automated **stock import module** from scratch: CSV validation, background processing with **Hangfire**, real-time tracking with **Redis**
- Implemented real-time synchronisation with the accounting system **Xero**
- Working in **Agile / Scrum** - sprint planning, refinement, retrospectives - and presenting delivered features to stakeholders at Show & Tell sessions, as part of an international team.

ControlExpert | .NET & React Developer | Part time

2025.11-Present

- Redesigned the **document parsing workflow** by introducing **asynchronous processing** based on **RabbitMQ**, improving **scalability** and **decoupling system components**.
- Implemented a **Strategy Pattern** parser selection mechanism, enabling automatic processing of different document types while improving **maintainability** and **extensibility**.
- Developed **new features** and maintained **insurance applications**, ensuring system stability and continuous delivery of **business requirements**.
- Used **GitHub Copilot** for code generation, refactoring and testing purpose

ControlExpert | .NET & React Developer | Full time

2023.11-2025.11

- Developed and maintained **insurance application** used by internal users and **major insurance companies** in Poland.
- Designed and implemented the **code base from scratch**, ensuring **scalability** and **maintainability**.
- Worked across the **full-stack**, handling **front-end**, **back-end** logic, and **system integration**, and developing **REST & SOAP APIs in a microservices architecture**.
- Implemented user **authentication** and **authorization** using **Keycloak** as an identity provider, managing both **internal and external user** access.
- Managed Keycloak configuration using **Terraform**, enabling version-controlled, repeatable, and consistent environment setup.
- Integrated **LDAP** for internal user authentication, eliminating the need for additional account creation.
- Led the **migration** from **IdentityServer** to **Keycloak** in legacy solutions, improving authentication and authorization mechanisms across applications.
- Extended existing insurance services by implementing **customer-specific functionalities using polymorphism**.
- Developed and optimized **SQL queries**, including **stored procedures**, for efficient data management in **SQL Server Management Studio**.
- Continuously improving and optimizing the **application's performance and user experience**.

CONTACT

+48 729 889 629

piotr.szczachor1@wp.pl

[LinkedIn](#)

BACKEND

- C# .NET Core & Framework
- SQL
- Entity Framework
- REST API & SOAP
- gRPC
- Akka .NET
- RabbitMQ
- Hangfire
- Redis

CLOUD & DEVOPS

- AWS (SQS, DynamoDB)
- Keycloak
- Terraform
- Docker
- Jenkins
- Octopus
- Sentry
- Grafana

FRONTEND

- React
- Angular
- TypeScript | JavaScript
- HTML & CSS
- TailwindCSS
- NgRx | Redux

TOOLS & PRACTICES

- GIT
- Claude Code
- Github Copilot
- JIRA
- Azure DevOps
- BDD
- Agile | Scrum

LANGUAGES

- Polish - Native
- English - C1

SOFT SKILLS

- Problem solving
- Communication
- Ownership
- Team collaboration
- Commitment

Ideologic | Fullstack .NET & Angular Developer

2022.10-2023.11

- **Developed an ERP system** using **.NET and Angular**, contributing to both new module creation and enhancement of existing functionalities. Designed and implemented **RESTful APIs** for system communication.
- Implemented **user authentication and authorization**, improving security and access management.
- Set up a **test project**, conducted **debugging**, and **resolved bugs** to ensure application stability.
- Designed and built a **React-based Webshop**, introducing a **plugin system** to extend functionality.
- Utilized **Redux** for **state management** in both **React and Angular projects**.
- **Optimized API performance** by implementing **caching mechanisms**, reducing response times and increasing system efficiency.
- Collaborated in an **international team of Polish, French, and Swiss engineers**, improving communication and cross-cultural teamwork skills.

EDUCATION

Warsaw University of Technology

2024.02-Present

Faculty: Computer Science

Master of Engineering

AGH University of Science and Technology in

Cracow

2020.10-2024.01

Faculty: Computer Science and Intelligent Systems

Bachelor of Engineering

Kazimierza Morawskiego High School II in

2017.09-2020.05

Przemysl

Mathematical and IT profile

PERSONAL PROJECTS

Health Harmony.

A full-stack **medical management application** developed as the foundation of my engineering thesis. Built with **.NET and Angular**, it streamlines patient appointment scheduling, doctor management, and clinic administration.

- **Authentication & Authorization** using **Identity Framework & JWT in .NET**.
- State Management with **NgRx (Redux for Angular)** for efficient data handling.
- Database & ORM: **Entity Framework + PostgreSQL** for structured storage.
- Scalable & Generic Code, following **clean architecture principles**.
- **Agile** Development managed with **JIRA**.
- Designed **UI/UX in Figma** before implementation.

This project showcases my ability to design, develop, and manage full-stack applications from scratch, integrating authentication, state management, and database handling in a production-ready system.

Machine Learning repository

A repository containing all of my **machine learning jupyter notebooks** that I have made so far. I'm using there **python** libraries such as **pandas, numpy, sklearn** or **tensorflow**.