

Marek Sigmund

Curriculum Vitae



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Częstochowa, Poland, Open to relocation



[GitHub](#) & [LinkedIn](#)

Professional Profile

Full-stack web developer specializing in .NET / C# and Angular, with hands-on experience in building modern web applications end-to-end. I design and implement complete solutions — from backend architecture and business logic, through API design and database integration, to clean and user-friendly frontend interfaces. I hold a Master's degree in Artificial Intelligence & Data Science, which enables me to approach problems analytically and effectively leverage AI tools as supportive elements in the software development process. I demonstrate technological flexibility, the ability to quickly adapt to dynamic environments, and effective collaboration both within a team and independently.

Technical Skills

- .NET / C# and Angular development
- Backend technologies: ASP.NET Core, Node.js
- Frontend technologies: React
- API design and integration
- Experience with SQL and NoSQL databases (SQL Server, MongoDB, Firebase)
- Full-stack web application development
- Knowledge of design patterns
- Fundamentals of machine learning and data analysis
- Technological flexibility and fast adaptation to new tools
- Effective independent and team-based work

Projects

AutoLogix | Vehicle, service history, and insurance workflow management system

- Architecture based on Domain-Driven Design
- REST API built with ASP.NET Core and JWT authentication
- PostgreSQL integration and business logic implementation
- SPA frontend built with Angular

Learning Tracker | Note management and AI-powered quiz generation application.

- Full-stack architecture: Angular + ASP.NET Core
- Integration of Firebase and relational database
- Quiz generation using Cohere AI
- API and data model design

Work Experience

- 06.2023 – 07.2023 **Front-end Developer | ABS Informatyk**
- Developed and maintained websites using CMS platforms and front-end technologies (HTML, CSS, JavaScript)
 - Conducted UI/UX audits and provided recommendations to improve usability and visual consistency
 - Implemented front-end updates in alignment with business and project requirements
- 02.2018 – 02.2020 **Telecommunications Installation Technician | Interka**
- Installed and maintained telecommunications infrastructure, including fiber-optic networks
 - Configured and diagnosed network devices and supported technical troubleshooting
 - Contributed to infrastructure projects requiring precision, accountability, and effective teamwork

Education

- 02.2024 – 10.2025 **Częstochowa University of Technology**
Master of Science in Computer Science
Specialization: Artificial Intelligence & Data Science
- 10.2020 – 02.2024 **Częstochowa University of Technology**
Bachelor of Engineering in Computer Science
Specialization: Web Application Development
- 09.2016 – 04.2020 **Technical Secondary School No. 1, Olesno**
Specialization: Information Technology

Languages

- Polish – Native
- English – Upper-Intermediate (B2)

Interests

I am particularly interested in artificial intelligence and its practical applications in real-world software solutions. In my free time, I work on electronics and microcontroller projects, combining software and hardware in personal DIY builds. I am also interested in video games as a creative and technological medium.

Links

Portfolio: https://mareksigmund.github.io/Portfolio_eng/

Web CV: <https://marek-web-cv.vercel.app/>