

Marek Sigmund

Curriculum Vitae



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Adress: Częstochowa, Poland

Professional Profile

Web developer with hands-on experience in building full-stack applications using C#, .NET and Angular. I design, implement and maintain solutions across the entire stack, including backend logic, APIs, databases and modern frontends. With a master's degree in AI & Data Science, I combine software engineering skills with strong understanding of machine learning and practical AI applications. I learn fast, adapt quickly to new technologies and perform well both in collaborative and autonomous work environments.

Work Experience

06.2023 – 07.2023 **Front-end Developer** | ABS Informatyk

Key responsibilities:

- Creating and improving websites using CMS platforms and front-end tools to ensure responsiveness and usability.
- Conducting UI/UX audits of applications and websites, preparing recommendations for improvements.
- Supporting the development and optimization of user interfaces.

- 02.2018 – 02.2020 **Telecommunication Installation Technician** | Interka
- Key responsibilities:
- Building and maintaining telecommunication networks, including fiber-optic infrastructure.
 - Configuring and operating network devices, providing support in troubleshooting network and infrastructure issues.
 - Assisting in installation, diagnostics and maintenance of network components.

Education

- 02.2024 – 10.2025 **Częstochowa University of Technology**
Master of Science in Computer Science
Specialization: Artificial Intelligence and 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
Education level: Secondary (Technical School)

Courses & Certificates

- 3ds Max Basics – Modeling and Animation (Kompugraf, 2017) – Fundamentals of 3D modeling and animation

Laungages

- Polish – Native
- English – Intermediate (B1/B2)
- German – Basic (A1)

Technicla Skills

- Programming in **C#** and **.NET**
- Development of web applications (backend and frontend)
- Working with relational and non-relational databases (SQL, MongoDB, Firebase)
- API design and implementation
- Front-end technologies: **Angular**, React
- AI & Data Science – fundamentals of machine learning and data analysis
- Knowledge of design patterns
- Effective independent and team-based work
- Technological flexibility and fast learning of new tools

Interests

I am interested in artificial intelligence and its practical use in real-world applications. In my spare time, I work on electronics and microcontroller programming, creating my own DIY devices and small technical projects. I am also passionate about computer games — not only as a form of entertainment, but also as a creative medium.

Links

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