

# Dawid Ryłko

DELIVERING END-TO-END DIGITAL SOLUTIONS | SOFTWARE ENGINEER | EXPERT IN DESIGNING SCALABLE, SECURE AND RESILIENT SYSTEMS

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## Summary

Software engineer and expert in designing scalable, secure and resilient systems — with over 10 years of experience in the IT industry.

I specialise in delivering end-to-end digital solutions: from intuitive frontend interfaces and high-performance backend services to infrastructure automation, AI integration and cybersecurity. I combine deep technical expertise with strategic thinking to create solutions that support business goals and deliver long-term value.

## Skills

### Programming Languages and Technologies

Typescript, JavaScript, Python, HTML5, CSS3

### Frameworks and Libraries

Angular, Ionic, React.js, Next.js, Node.js, NestJS, Express.js

### Methodologies and Tools

Git, Scrum, Agile, ChatGPT, GitHub Copilot, Cursor

### Other Skills

Problem Solving, Analytical Skills, Software Development, Leadership, Cybersecurity, Artificial Intelligence (AI), DevOps

### Languages

English, Polish

## Work Experience

### Silesian Solutions (NIP: 6472552448)

On-site

SELF-EMPLOYED

October 2015 - Present

- **Freelance Software and IT Solutions Provider:** I run a solo programming business that handles software development, infrastructure management, AI, and cybersecurity. For some projects, I collaborate with other professionals to deliver comprehensive solutions.

SKILLS: Problem Solving, Analytical Skills, Software Development, Artificial Intelligence (AI), Cybersecurity, Leadership, DevOps, Python, Node.js, React.js, Next.js, Express.js, ChatGPT, GitHub Copilot, Cursor

### Proget (NIP: 5472142508)

Bielsko-Biała, Śląskie, Poland

TEAM LEADER, SENIOR FRONTEND DEVELOPER

October 2017 - Present

- **Team Management and Developer Support:** Leading and overseeing the development team, focusing on fostering effective collaboration, productivity, and professional growth. Provided ongoing support and guidance to team members, helping to resolve complex technical issues.
- **Task Coordination:** Preparing and assigning tasks to team members, aligning with project goals and timelines.
- **System Design and Implementation:** Designing, implementing, and modernizing various system modules to enhance functionality and user experience.
- **Oversight of Frontend Application Development:** Maintained oversight of the development of frontend applications, ensuring adherence to best practices and the achievement of project objectives.
- **Client-Side Development:** Actively involved in developing client-side solutions, ensuring high performance and user experience.
- **Development of Internal Libraries and Tools:** Actively involved in the development and enhancement of internal libraries and tools, contributing to the efficiency and effectiveness of the development process.
- **Collaboration Across Departments:** Worked closely with various departments, including marketing, sales, and technical support, to ensure a cohesive and effective product strategy.
- **IT Analysis and Implementation Improvements:** Conducted comprehensive IT analysis to identify system inefficiencies and implemented solutions to optimize data-driven decision-making processes.
- **Legacy Frontend Migration:** Led the migration of the legacy frontend from Yii and pure JavaScript to a modern architecture based on micro frontends in Angular. This involved re-architecting the frontend to improve scalability and maintainability.
- **Mentoring and Training:** Played a key role in mentoring team members and leading training initiatives for the Angular framework and TypeScript language, enhancing team capabilities in modern web development technologies.

SKILLS: Problem Solving, Analytical Skills, Software Development, Leadership, Cybersecurity, TypeScript, JavaScript, Node.js, Git, Angular, Ionic, NestJS, HTML5, CSS3, Scrum, Agile

### Actaware (NIP: 7011120875)

Remote

LEAD MOBILE DEVELOPER

March 2022 - May 2024

- **Architectural Solutions:** Played a pivotal role in designing and implementing robust architectural solutions for the frontend. This involved making key decisions on code structure, libraries, and frameworks to ensure the applications are not only efficient but also maintainable and scalable.
- **Mobile Application Development:** Led the development of mobile applications for Android and iOS using Ionic, Angular, and TypeScript. Focused on creating high-performance, scalable, and user-friendly applications that meet the dynamic needs of our clients.
- **IT Analysis and Reporting:** Conducted detailed IT analysis to identify potential areas of improvement in mobile applications and generated comprehensive reports to inform strategic decisions.
- **Problem-Solving and Innovation:** Regularly tackled complex programming challenges and contributed innovative solutions to enhance application functionality and user experience. This required staying abreast of the latest industry trends and technologies.
- **Mentoring and Team Support:** Actively involved in mentoring junior developers and providing support to team members. Focused on building a strong team environment and enhancing the skills of colleagues through regular code reviews, one-on-one sessions, and group training initiatives.
- **Collaboration and Communication:** Worked closely with cross-functional teams, including UI/UX designers, project managers, and backend developers, to ensure a cohesive development process. Maintained clear and effective communication to align development goals with business objectives.
- **Quality Assurance and Testing:** Ensured the highest quality of the mobile applications by implementing rigorous testing protocols and addressing any issues promptly. This included both automated and manual testing to guarantee a bug-free and smooth user experience.

SKILLS: Problem Solving, Analytical Skills, Software Development, Leadership, Ionic, Angular, Scrum, Agile, Git, TypeScript, HTML5, CSS3

## DaVinci Studio (NIP: 5472213042)

Bielsko-Biała, Śląskie, Poland

FRONTEND DEVELOPER

December 2015 - September 2017

- **Client-Side Development:** Engaged in the development of client-side components, focusing on creating responsive and user-friendly interfaces.
- **System Design and Implementation:** Involved in designing, implementing, and modernizing various system modules, contributing to the enhancement of overall functionality and user experience.
- **Collaboration with UI/UX Team:** Worked closely with the UI/UX team to ensure that the design and functionality of applications were aligned with user needs and expectations.

SKILLS: Problem Solving, Software Development, Git, TypeScript, Angular, Scrum, Agile, JavaScript, HTML5, CSS3, AngularJS

## Hurtownia Art. Przemysłowych WIR Marian Kozielski (NIP: 6470502340)

Wodzisław Śląski, Śląskie, Poland

IT SPECIALIST - PROGRAMMER

August 2013 - October 2015

- **Infrastructure Maintenance:** Responsible for the upkeep and smooth functioning of the company's IT infrastructure. This included regular monitoring of network systems, performing necessary updates, and ensuring the security and efficiency of IT resources.
- **System Module Implementation and Modernization:** Actively involved in the implementation and modernization of system modules. This included analyzing existing systems, designing and developing new modules or enhancements, and integrating these improvements to streamline operations and increase system reliability.
- **Software Development:** Developed and maintained custom software solutions tailored to the company's needs. This involved coding, testing, debugging, and deploying software that improved business processes and efficiency.
- **Troubleshooting and Support:** Provided technical support and troubleshooting for system-related issues. This role required quick problem-solving skills to minimize downtime and maintain operational continuity.

SKILLS: Problem Solving, Software Development, Git, JavaScript, HTML5, CSS3

## Education

### University of Bielsko-Biala

Bielsko-Biała, Śląskie, Poland

MASTER'S DEGREE, INFORMATION TECHNOLOGY

SKILLS: Problem Solving, Software Development, Cybersecurity, Artificial Intelligence (AI), Python, Node.js

### The Silesian University of Technology

Gliwice, Śląskie, Poland

BACHELOR'S DEGREE, INFORMATION TECHNOLOGY

SKILLS: Problem Solving, Software Development, Git, TypeScript, JavaScript, Node.js, Angular, HTML5, CSS3