Karol Dzwonkowski

About me

As a engineer, in addition to my informatics skills, I particularly value soft skills: openness, communication, and the ability to collaborate effectively. My adaptability and empathy contribute to building strong team relationships. Determined to learn and develop, I'm ready for both technical and interpersonal challenges, making me a valuable team member.

Personal

Karol Dzwonkowski
Nationality: Polish
Born: 1999

Personal Website

`https://bull-development.vercel.app/`

Degrees

2024	**Inf. Algorytmiczna.** Inż. · Politechnika Wrocławska 🏛

Languages

Polish	C2	mother tongue
English	C1	●●●○
German	B1	●●○○
French	A1	●○○○

Areas of specialization

Programming · Algorithmic · Project management

Interests

My daily activities include swimming, playing squash, and dancing, which help me maintain a healthy work-life balance and stay physically active. Additionally, I have a strong interest in the stock market, where I enjoy analyzing financial markets and investing. My investing strategy mainly focuses on technical analysis. In my free time, I love spontaneous weekend getaways, especially into nature or exploring

Short Resumé

2021	**Apiss**
	INTERN · Poland, Szczecin 📍

During my 2 months internship at a company specializing in ship repairs, I focused on diagnosing and repairing systems utilizing PID controllers and programming PLCs. I also dealt with diagnosing and repairing damaged printed circuit boards, which allowed me to gain practical experience in solving complex technical problems in a specific work environment.

02.2022-03.2023	**Siemens**
	SOLUTION ENGINEER · Poland, Wrocław 📍

Participation in international projects using AX4, CSS, LogX4 technologies. I was involved in process modeling, building business logic, and user interface design. My role included programming components in JavaScript, Velocity, HTML/CSS, SQL, and Java. I specialized in integrating with other systems, particularly through WebService. My responsibilities also encompassed manual testing of projects, including the implementation of unit tests and the creation of test scenarios. I utilized version control systems like GitLab and worked within the SCRUM/agile framework. Additionally, I contributed to the creation of software architecture, ensuring robust and scalable solutions.

04.2023-now	**Freelancer**
	WEB DEVELOPMENT · Poland 📍

Experienced in backend and frontend development, focusing on creating and modifying APIs and building user interfaces. Skilled in remote collaboration, client acquisition, communication, and delivering projects on time. Technologies used include Node.js, Mongoose, PostgreSQL, Express.js, GraphQL, Socket.io, Docker, Firebase, AWS, React, and TanStack.

01.2025-03.2025	**Archblock**
	BLOCKCHAIN DEVELOPER · Poland, Warsaw (employment ended due to company closure) 📍

As a Full-Stack Developer at Archblock, I developed and optimized smart contracts in Solidity, integrating blockchain with the stablecoin ecosystem. I built and maintained web applications, connecting a frontend based on React and TanStack with a backend utilizing Node.js, PostgreSQL, GraphQL, and REST API. I worked on application scalability and performance, ensuring efficiency both at the backend level and within the blockchain layer. I was responsible for integrating blockchain with databases, synchronizing on-chain data with off-chain systems. Additionally, I created APIs and services that supported the stablecoin ecosystem, ensuring secure and efficient data exchange between blockchain and traditional databases.

05.2025-now	**Iusta**
	WEB DEVELOPMENT · Germany, Berlin 📍

As a Full-Stack Developer at iusta, a German legal-tech company automating workflows for law firms, I worked on both backend and frontend development using TypeScript, JavaScript, Angular, Node.js, AWS and SQL. My role included implementing new automation and AI-driven solutions, integrating external systems, and contributing to system architecture design. I collaborated closely with legal engineers and project managers within a Scrum framework, focusing on enhancing the platform's scalability, maintainability, and efficiency.

GitHub portfolio

https://github.com/BigGafLeo

Contact

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📞 +48 600 270 720

Tech Stack

Languages & Syntax
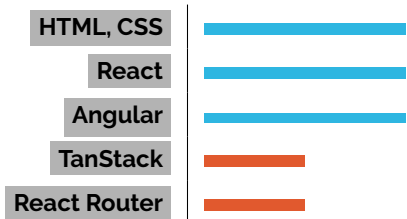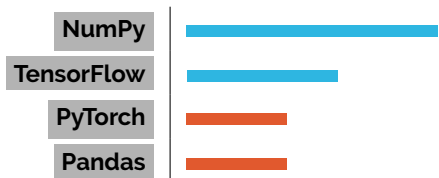
- JavaScript
- TypeScript
- Python
- Solidity
- Java
- C++

Databases

- MySQL
- MongoDB
- PostgreSQL

Backend Development

- Node.js
- Express.js
- GraphQL
- Socket.io

Frontend Development

- HTML, CSS
- React
- Angular
- TanStack
- React Router

DevOps & Cloud

- Docker
- Kubernetes
- AWS
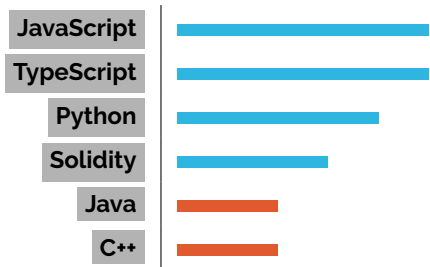
Data Science & Machine Learning

- NumPy
- TensorFlow
- PyTorch
- Pandas

Curriculum

2020–2024 | **Politechnika Wrocławska**
Informatyka Algorytmiczna · Poland, Wrocław 📍

The Algorithmic Computer Science program placed a strong emphasis on algorithmics during my studies, covering both metaheuristic algorithms and conventional ones. It provided a deep understanding of data structures and their applications, ensuring a comprehensive grasp of the fundamental and advanced aspects of computer science. Additionally, the curriculum included courses on mobile applications and web technologies, offering a broad perspective on software development and the practical implementation of theoretical knowledge. A significant part of the program was also dedicated to artificial intelligence, exploring machine learning algorithms, neural networks, and AI application development, which further enriched my technical proficiency and prepared me for the challenges of the evolving tech landscape. This blend of rigorous algorithmic training, modern computing technologies, and AI studies has equipped me with a versatile skill set applicable in various domains of the tech industry.

2018 | **Politechnika Wrocławska**
Automatyka i Robotyka · Poland, Wrocław 📍

The Automation and Robotics program, which is currently suspended, offered me a foundational knowledge in mechanics, electronics, and material science during my studies. This interdisciplinary approach provided me with a comprehensive understanding of the key principles underlying the design and operation of automated systems and robots. The curriculum was designed to integrate theoretical knowledge with practical applications, preparing students to address the challenges in the rapidly evolving fields of automation and robotics. Despite the program's suspension, the education I received has equipped me with valuable skills and a broad perspective, enabling me to contribute effectively to projects requiring knowledge in mechanical systems, electronic components, and the properties of various materials.

I hereby consent to the processing of my personal data for the purposes necessary to carry out the recruitment process (in accordance with the Act of May 10, 2018, on the protection of personal data (Journal of Laws of 2018, item 1000) and in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27, 2016, on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (GDPR)).

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