



Personal Details

Phone

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Email

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City

Katowice

Status

Student

Languages

English - C2

German - B1

Website

 <https://toporek.work>

Jakub Toporek

Profile

Informatics student (program taught in English) at the Silesian University of Technology and holder of a Programming Technician degree. I have experience working with SQL databases, CMS systems, and creating web applications using React/Next.js and the Flask framework. My English proficiency is at the C2 level, allowing me to work fluently in international teams. I am looking for development opportunities as a Junior Software Developer or an R&D intern.

Experience

05.2024 - Present | **Fullstack Developer**

Freelancer - Remote

- Building E-Commerce platforms using Next.js and Medusa.js.
- Creating modern and dynamic business websites.
- SEO website optimization.
- Administering complex databases.

05.2023 - 06.2023 | **IT Intern**

"U Make IT" Erasmus+ - Valencia, Spain

- Programming interactive game logic in Unreal Engine.
- Programming and testing Arduino Uno drivers using C++.
- Daily work, solving technical problems within a team, and reporting project changes.

05.2022 - 06.2022 | **IT Intern**

ESL Gaming Polska - Katowice

- Administering, configuring, and updating content for CMS-based websites.
- Executing SQL queries, modifications, and maintenance tasks on MySQL relational databases.

- Collaborating with the technical team to maintain and optimize system performance.

Selected projects

2026 | **E-Commerce Platform**

Link: <https://moglab.shop>

- Interactive cross-platform interface built with Next.js and Tailwind CSS.
- PostgreSQL backend integrated with Medusa.js.

2024 | **Golden Engine**

Link: <https://github.com/kubaTp/GoldenEngine/>

- 2D graphics engine built in C++ using OpenGL.
- Handles events, collisions, audio, and basic physics.

Skills and tools

- **Programming Languages:** C++ (Advanced), Python, JavaScript SQL.
- **Web Technologies and Frameworks:** React, Next.js, Flask, Premake.lua, systemy CMS.
- **Databases and Cloud:** MySQL, Google Firestore.
- **Tools and Environments:** Git, GitHub, Visual Studio, VS Code, XCode, Terminal Unix/Linux
- **Foreign Languages:** English - C2 (Fluent, confirmed by Erasmus+ certificate and degree program taught in English), German - B1 (Communicative).
- **Other:** Driving license (Category B), Student status.

Education

Silesian University of Technology

Informatics

Computer science studies taught in English.

2024 - Present

ZSEil in Sosnowiec

Programming Technician

Advanced web application development, object-oriented programming, database creation.

2019 - 2024

Certificates and courses

2022	JavaScript Essentials 1 (JSE) - OpenEDG
2024	Programming Essentials in Python (PCAP) - Cisco
2023	Online Language Support C2 Level - Erasmus+
2024	Educational Designers (Projektanci edukacji): Volunteer project creating a website addressing the problems of deaf individuals.