

Szymon Wilczek

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szymon-wilczek.me | github.com/szymonwilczek | [Linux Contributions](#)

PROFILE

Computer Science student with commercial experience and an active Linux kernel contributor. I specialize in solving concurrency and memory safety issues in C. In parallel, I successfully design scalable web applications.

EXPERIENCE

- 11.2025–
Present **Linux Kernel Contributor**, *Remote*
Analysis and improvement of kernel stability in the area of file systems (ocfs2, f2fs, ntfs3, jfs).
- Identification and patching of vulnerabilities (Use-After-Free, Slab-out-of-bounds) and concurrency bugs.
 - Direct upstreaming of code patches to stable branches in collaboration with kernel maintainers (syzbot reports).
- 10.2025–
12.2025 **Web Developer**, *FAMUR, Zabrze, Poland*
Developing comprehensive web applications for the mining sector.
- Digitalization of industrial processes and optimization of data flow management (PHP, SQL).
- 01.2024–
01.2026 **Full-stack Developer**, *Freelance, Remote*
Designing and implementing dedicated web applications.
- Full software development lifecycle: architecture, backend/frontend implementation, and deployment on Linux servers.

EDUCATION

- 10.2023–
Present **Computer Science (B.Sc. Engineering)**, *Silesian University of Technology, Gliwice, Poland*
6th semester. Core areas: software engineering, operating system architectures, algorithms.

SKILLS

- Programming C, TypeScript, JavaScript, PHP, SQL
Technologies Linux, React.js, Git, REST API
Practices Kernel hardening, memory safety, technical documentation
Languages English – Advanced, Polish – Native

CERTIFICATIONS

- 10.2025 **Accessible Technology Design**, *AccessibleEU (European Commission)*
Accessible software design (a11y) and European digital inclusivity standards.
- 11.2021 **Data Analytics Professional**, *Google (Coursera)*
SQL, R, data visualization (Tableau).
- 11.2021 **IT Support Professional**, *Google (Coursera)*
Computer networks, Linux/Windows administration, IT security.

INTERESTS

Low-level systems, 3D graphics, and interactive visualizations.