





Adam Steciuk

Software Engineer with over 2 years of professional experience and extensive work on personal and university projects. Passionate about creating dynamic, user-friendly web applications. Curious and ambitious, constantly seeking to enhance my skills and stay updated with the latest industry trends.

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PROFESSIONAL EXPERIENCE

Canonical Poland
Software Engineer 04/2025 - Now

- Just started here, will update as time goes on :)

Svevn Gdańsk, Poland
Software Engineer 11/2024 - 02/2025

- Developed a WASM-based in-browser encryption and decryption mechanism for financial data using *age* encryption library, supporting nested ZIP/encrypted file tree visualization and detailed CSV parsing error logging.
- Significantly improved application performance (up to 10x) by refactoring the database schema, enforcing strict data type rules, and migrating existing records to align with these constraints.
- Reduced CI/CD pipeline execution time by 15% through build optimizations.
- Implemented CI/CD jobs that enhanced environment reproducibility, stability and development/production parity, via enabling easy test database rebuilds and migration testing.
- Developed a high-performance global data filtering mechanism for a recruitment portal.
- Extended an in-house, framework-agnostic D3-based charting library by adding new chart types and customizable scales.
- Implemented an advanced tag-based filtering system for financial data analysis.

GeoTec Energy Sp. z o. o. Poland
Web Developer and IT Administrator 10/2024 - 11/2024
12/2023 - 05/2024

- Designed, developed and maintained the company's website (<https://www.geotecenergy.pro>) ensuring a seamless user experience and optimal performance.
- Managed the company's domain and hosting services.
- Set up and managed Microsoft 365 Business accounts for the company.
- Developed internal tools to enhance operational efficiency.

Appfire (BigPicture) Warsaw, Poland
Front-End Developer 10/2021 - 12/2022

- Developed and refactored key Angular components for an enterprise-class application, enhancing functionality and performance.
- Created, maintained, and refactored multiple Cypress E2E tests, leading to significant improvements in application stability and CI/CD processes.
- Contributed to the development of a unified big volume data-management infrastructure, optimizing data handling across the entire application.

- Collaborated in a team of three during a one-week internal hackathon to develop a library for drawing links between draggable HTML DOM elements, significantly boosting app performance compared to the previous third-party library.

Intern Front-End Developer 07/2021 - 10/2021

- Was responsible for enabling typescript strict mode in a significant part of a large Angular application.

PolSource Warsaw, Poland
Intern Full-Stack Developer 04/2021 - 06/2021

- Was learning Salesforce ecosystem through Trailhead.

EDUCATION

Warsaw University of Technology

MSc in Computer Science 10/2022 - 06/2024

- Average grade: 4.96/5.00.
- Final thesis "*Analysis of structure and data flow in modern web applications*" (<https://github.com/steciuk/StateViz>) received the highest grade and was awarded a distinction.

BSc in Computer Science 10/2018 - 07/2022

- Average grade: 4.87/5.00.
- Final thesis "*Multiplayer card game in a web browser*" (<https://github.com/steciuk/card-game>) received the highest grade and was awarded a distinction.

Universitat Politècnica de València

ERASMUS+ program during MSc 02/2023 - 02/2024

- Average grade: 9.46/10.00.

Universitat de Málaga

ERASMUS+ program during BSc 02/2020 - 07/2020

- Average grade: 8.66/10.00.

MY PROJECTS

See much more at steciuk.dev

StateViz

- Universal Chrome extension for analyzing web apps, with real-time state inspection, structure visualization, and DOM highlighting.

FreeBici

- Web app designed to enhance Valenbisi (Valencia city bikes) experience.

SKILLS

Web development
React • Angular • Astro • Svelte • Vue • TypeScript • JavaScript • Tailwind CSS • Drizzle • TanStack Query • Vuex • tRPC • RxJS • Vite • Vitest • Jest • Cypress • EJS • Chrome Extensions • Express

Data science & analytics
Python • pandas • NumPy • Matplotlib • Seaborn • scikit-learn • NetworkX

Other
Git • Gerrit • Linux • Docker • SQLite • MariaDB • MongoDB • Firestore

Languages
Polish (native) • English (fluent) • Spanish (intermediate)

INTERESTS

Web development • Software architecture • Tech novelties • Alpine skiing • Paragliding • Kitesurfing • Sailing • Hitchhiking