

MSc eng. Krzysztof Rudnicki

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SUMMARY

Full-stack engineer with over 4 years of commercial experience building web applications. Proficient in React, TypeScript, Angular, and Python ecosystems. Proven track record of independently delivering complete products from design through deployment.

EDUCATION

Warsaw University of Technology

- **Engineering Degree:** Computer Science, 2019–2023
- **Master's Degree:** Computer Science, 2023–2026, diploma grade: 5.0/5.0

PROFESSIONAL EXPERIENCE

AI Clearing, Warsaw

Full-Stack Engineer, June 2024 – present [2 years and 1 month]

- **Large-scale file upload platform:** Solely designed and delivered a full-stack file upload platform handling 20,000–100,000 files per batch, used daily by clients and contractors, replacing a manual process and significantly accelerating internal workflows. **React, TypeScript, FastAPI, Python, SQL**
- **AI assistant chat interface:** Built an AI assistant chat with voice input, real-time audio responses, and interactive map controls, enabling users to query data and manipulate geospatial objects directly from conversations. **React, TypeScript, FastAPI, Python, SQL**
- **Platform development and maintenance:** Shipped 290+ merge requests across frontend and backend repositories, touching 1,000+ files. Key areas: data configuration tooling, quality-assurance workflows, map visualisations, and internationalisation across 10 locales. **React, TypeScript, FastAPI, Python**

Delta Electronics Sp. z o.o., Warsaw

Frontend Developer, November 2022 – July 2024 [1.5 years]

- **EV charger grid configuration dashboard:** Solely designed and delivered a real-time configuration dashboard for managing a grid of EV chargers, featuring live energy consumption monitoring via WebSocket and **ChartJS** visualisations. Documented before implementation and maintained alongside development. **Angular, TypeScript, SCSS, Tailwind**
- **Charger software test automation platform:** Solely designed and delivered an end-to-end test automation platform for EV charger software, covering UI, API, and database layers. **Angular, Nest, Postgres** (via **Prisma**)
- **Cable durability test script:** **Bash** script controlling a Teltonika RUT955 router to toggle contactors and move charger cables forward and backward for durability testing
- **Legacy software modernisation:** **Angular** application replacing an older system used to place orders for EV chargers

Radioactive Rat Sp. z o.o., Warsaw

Junior Full-Stack Developer, December 2021 – November 2022 [1 year]

- **Crowdfunding platform:** Developed and maintained a crowdfunding platform, shipping bug fixes and features from tester and client feedback. Primarily frontend (**Angular, TypeScript**); also built a Twitch bot in **Node.js**
- **Telemedic kiosk deployment:** Deployed a locked-down Ubuntu kiosk for a telemedic Electron app — configured OS, display, auto-start, exit prevention, and event listeners. Authored deployment documentation. **Bash, TypeScript**
- **Mobile game anti-cheat system:** Solely designed and delivered an anti-cheat system for a mobile game: frontend event capture, server-side verification, front-back integration, and data persistence via GraphQL. **Nest, TypeScript**

VOLUNTEER WORK

POLYGON Student Association for Game Developers

Vice President, January 2022 – October 2022

President, October 2022 – November 2024

Managed the largest student game-development association in Poland, distributing tasks, organising lectures, semester projects, and applying for university funding

Warsaw University of Technology Theatre Group

Actor, November 2024 – present

Developing presentation skills, teamwork, and performing under audience pressure

SKILLS

- **Programming Languages:** **TypeScript**, JavaScript, C++, C, C#
- **Scripting Languages:** Bash, Python, SQL
- **Frameworks & Libraries:** **React**, Angular, FastAPI, Nest, Tailwind, Electron, Ionic
- **Tools:** **Git**, GitHub, GitLab, Docker, Linux, Node.js, ChartJS, LaTeX
- **Soft Skills:** Leadership, Time Management, Teamwork, Self-directed, Initiative
- **Languages:** Polish — native, English — C2

SIDE PROJECTS

- **Phone Focus Mode:** GPS-based ADB & Magisk tool that automatically disables non-whitelisted apps within 500 m of home — Haversine formula, hysteresis, fail-safe, state persistence. **Bash**, Android ADB. [LINK](#)
- **Legal hackathon mediator app:** Built in 48 hours at a legal hackathon. Mobile-friendly app to describe a lawsuit, estimate cost and duration, and propose a mediator. **Angular**, **Python**, **Flask**. [LINK](#)
- **Linux automation scripts:** Repository of productivity and system-administration scripts with CI, linting, and pre-commit hooks. **Bash**, **Python**. [LINK](#)