

Jakub Pełka

Fullstack AI developer with a strong focus on problem structuring and user-driven decision making. I approach projects by first understanding the problem space — validating assumptions with real users and adjusting solutions based on observed behavior rather than guesses. Comfortable working across the full frontend stack (Next.js, TypeScript) with hands-on experience integrating LLM-based workflows into practical tools.

Skills

Technical

Languages: TypeScript, Python, Rust

Frontend: Next.js, Vue.js, HTML, CSS

Desktop: Tauri

Databases: PostgreSQL, SQLite, Supabase

AI Integration: LLM workflow design, embeddings, Claude API, Gemini API

Tools: Git, GitHub, SonarCloud, Docker

Testing/Quality: SonarCloud, CI/CD (GitHub Actions)

Language

Polish - native

English - B2

Italian - A1

Projects

Theatre Props Management Hub

Web application built for and with an active theatre production team.

<https://github.com/jakub-pelka/rekwizytor>

- Gathered requirements directly from stage crew through iterative sessions; identified critical mismatch between initial data model and real usage during live rehearsals
- Redesigned core data hierarchy mid-project (from room-based to group/box-centered structure) based on observed user behavior — not initial assumptions
- Implemented real-time synchronization (Phoenix LiveView) to support fast-paced performance environment

Praco - AI-Powered CV & Recruitment Tool

Chrome extension + desktop app automating the job application workflow.

<https://github.com/jakub-pelka/praco>

- Designed end-to-end pipeline: from scraping job listings and extracting keywords, through AI-driven CV customization per offer, to automated form filling via Playwright
- Built multi-template CV generation system with ATS optimization
- Architected the tool around a single-trigger UX — one button initiates the full pipeline while preserving user control before final submission

I authorize the processing of my personal data contained in this CV pursuant to GDPR (EU Regulation 2016/679).

EDUCATION

Digital Economy

University of Economics in Katowice

in progress

CONTACT

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<https://www.jakubpelka.me>

<https://github.com/jakub-pelka>

CERTIFICATE

INF02

Systems Administration

INF03

Web & Application Administration

AI Fluency for Students

Anthropic

Introduction to AI

Microsoft

Umiejętności Jutra AI 2.0 (Future Skills: AI 2.0)

Google and SGH