

Jakub Siuda

Founding Engineer at Sitescope · 42 Warsaw student



INTERACTIVE CV → siuda.dev

Contact

Warsaw, Poland
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Technical Skills

Languages: TypeScript, JavaScript, SQL

Frontend: React, Next.js, React Native, Expo

Backend & data: Node.js, Fastify, Express, PostgreSQL, Supabase

Geospatial: Mapbox, MapLibre, Leaflet

Tools: Docker, OpenAI API, Playwright

Languages

Polish: native
English: C1 (TOEFL 110/120)

Education

42 Warsaw
JUN 2026 - PRESENT
Peer-to-peer software engineering program; admitted after the month-long Piscine.

Other Projects

Recall · Global Finalist
Alibaba.com Accio Work AI Youth Challenge 2026. AI study workflow with interactive flashcards, quizzes and study pages.

Codaro I · 3rd place
Co-built a rescue-operations prototype.

DeadLine · 3rd place
Codaro II, Aug 2026. Co-built a funeral-service scheduler.

Profile

Full-stack engineer building products around geospatial data, conversational map tools and interactive financial simulations. My work spans technical design, implementation and deployment.

Experience

Founding Engineer, Sitescope

JUL 2026 - PRESENT

- Designed and implemented **geospatial integrations** for zoning plans, infrastructure and environmental constraints, handling inconsistent source formats, coordinate systems and incomplete coverage.
- Implemented **property-report PDFs** with Playwright and Chromium, with progress tracking, cancellation and retry backoff in React.
- Developing a **map-vectorization model**.

Selected Projects

SkyMarshal C2 · Developer

1st place, Dual-Use · SpaceShield Hack 2026 · Team 404

- Built the drone-dispatch **prototype end to end**, including polygon-intersection checks and buffered detours for restricted-zone route planning.

Mappy · Co-developer

Finalist · HackYeah 2026

- Co-built a **conversational GIS prototype** that grounds AI tool calls in selected parcels and verified locations, streaming spatial results and source-backed answers to a map.

Finance Flow · Independent developer

3rd place · E converse national grand final 2026 · Team award

- Independently built a **financial-literacy platform**: Expo/React Native app, Next.js school dashboard and PostgreSQL backend; developing it in collaboration with schools.
- Built **cash-flow simulations** with delayed income and protected budgets, adding exhaustive decision-path tests for balance consistency and dead ends.
- Implemented **atomic lesson completion** and rewards in PostgreSQL, using row locks and retry-safe operations to prevent duplicate XP.