

Patryk Łaciak

Full-stack Developer | React, TypeScript & React Native | 3D Visualization



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PROFILE Full-stack developer specializing in React and TypeScript. I build browser-based 3D tools, shared UI components and backend integrations. Alongside client work, I develop my own web and React Native products.

EXPERIENCE

Full-stack Developer — Selleo 06.2022 – now

- Develop React and TypeScript applications for clients in engineering software, education, scientific modeling and online brand protection.
- Responsible for frontend implementation: complex data views, interactive visualizations and reusable UI components.
- Contribute backend features, API integrations and automated frontend tests.

Frontend Web Developer, React & PHP — Twójpomysł.it 02.2020 – 01.2023
Contract / Freelance · Built and maintained client websites and web apps in React, PHP and WordPress alongside technical school.

Web Development Tutor 12.2020 – 05.2022
Tutored students in building websites and web applications.

React Developer Intern — Selleo 06.2021 – 08.2021
Worked on frontend development with React and TypeScript.

Frontend Web Developer — Grupa EVADA 03.2021 – 05.2021
Contract / Freelance · Built client websites.

Frontend Web Developer — Qualinet 02.2021 – 03.2021
Contract / Freelance · Built client websites.

SELECTED PROJECTS

Engineering Applications — 3D Analysis 12.2024 – now
Commercial work · Client confidential
Browser-based engineering applications for interactive 3D visualization and data analysis.

- Build frontend interfaces, interactive 3D tools and reusable UI components; occasional backend contributions.
- Built a browser-based 3D viewer and worked on its performance.
- Connected 3D visualization with interactive charts and analysis interfaces.
- Developed reusable UI components.

React · TypeScript · Tailwind CSS · D3 · Vitest · Playwright

Scientific Modeling Platform 01.2023 – 09.2023
Commercial work · NDA
Developed and maintained an existing modeling editor, including editing interactions and change history with undo/redo.

React · TypeScript · Redux

Online Brand Protection Platform07.2022 – 10.2024

Commercial work · Anonymized

- Built frontend workflows for monitoring configuration and listing review, with authentication, API integrations, filtering, sorting and search.
- Developed UI components in Storybook and automated end-to-end tests.

React · TypeScript · React Query · Cypress · Storybook

EdTech Platform — AI-assisted Assessment10.2024 – 03.2025

Commercial work · Anonymized

AI-assisted assessment within an educational platform.

- Delivered it independently: interface design, frontend, backend, AI integration, QA.
- Integrated AI-assisted assessment into the existing platform.
- Built the teacher interface to review and correct AI results before approval.

React · TypeScript · AI integration

Workout Tracking & Coaching Platform05.2025 – now

Personal product

Workout tracker with trainer–trainee management, used by me and a few gym users.

- Own product decisions, UI design, React web/PWA and backend development.
- Turn imported spreadsheet plans into structured workouts with AI; built plan composition/refinement, training analytics and trainer supervision.
- Develop the React Native app (since 05.2026). Web/PWA is live; iOS in TestFlight.

React · TypeScript · React Native · Expo · Tailwind CSS · NativeWind · TanStack Query · Zustand · Elysia.js · Bun · PostgreSQL · Drizzle · Mistral

Rental Management App01.2026 – now

Personal product · Built with my brother

React Native app for rental management, currently in testing; not yet publicly deployed, demo available during interviews.

Designed and built owner/tenant mobile interfaces: properties, leases, invitations, history, archives, export, chat, notifications and calendar; occasional backend/AWS changes.

React Native · Expo · TypeScript · NativeWind · TanStack Query · Zustand

SKILLS	Frontend	React · TypeScript · JavaScript · Tailwind CSS · Vite
	Mobile	React Native · Expo · NativeWind
	3D & data viz	VTK · C++/WebAssembly viewer development · Three.js · D3
	State & data	TanStack Query · Zustand · Redux · Recoil
	Backend	Node.js · Bun · Elysia.js · Fastify · Python/FastAPI · PostgreSQL · Drizzle · AI integrations
	Testing, tools	Vitest · Playwright · Cypress · Storybook · Git · Docker · monorepos

EDUCATION	IT Technician — TEB Edukacja · Technical secondary school	2018 – 2022
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LANGUAGES	Polish — Native · English — B2
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