

Michal Pšenčík

Full-stack Product Engineer • React / TypeScript / Node

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github.com/thatmike1

thatmike1.portfolio.ssscribe.app

Frýdek-Místek, CZ • remote

Freelance (IČO) developer with 2+ years of commercial React/TypeScript work delivered remotely as a contractor: a startup marketplace, enterprise internal tools, 3D product configuration, and a cross-platform mobile app. Frontend is my strongest ground, but I work best owning the full stack, shaping API and UI together, and I hold the UX of what I ship to a high bar: things should feel good, not just work. AI-native by default: agentic, review-driven development is how one person keeps several projects moving.

EXPERIENCE

Full-stack Developer (contract) • Atreo Digital s.r.o.

Apr 2024 – Aug 2026

Software agency, fully remote. Concurrent delivery across client projects:

- **Staffing marketplace MVP** for a Czech startup. Sole frontend developer: the entire frontend repo is my work, from first commit to launch-ready product. React, TypeScript, Vite, TanStack Router + Query, Zustand, Tailwind • 450+ commits
- **Energy-management system for one of the largest Czech energy groups.** Roughly 80% of the repo is my work: an operations calendar with drag-to-move and resize scheduling, per-location timezone handling end to end, a hardened OIDC auth flow, and the dashboard widgets and charts. React, TypeScript, Vite, MUI, TanStack Query, Zustand • 449 of 552 commits
- **Customer-monitoring portal for the same energy group.** Server-side pagination, search, sorting and filtering across the app, a reusable column-sort and filter component, overview widgets, CSV / XLSX export. React, TypeScript, Vite, MUI, TanStack Query, Zustand • 369 of 713 commits
- **Job marketplace app** for iOS + Android in an Expo / React Native monorepo. Owned the mobile frontend end to end and roughly 80% of the app: a custom interactive map (clustered pins, screen-space decluttering, native marker rendering on both platforms), onboarding and profile flows, in-app chat with media, offer management, in-app purchases and push, plus the API endpoints behind them. Took it from rebrand through Play signing to store-ready release builds. React Native, Expo, TypeScript, NestJS, Drizzle • 900+ commits in 3 months
- **B2B room planner** placing equipment in 2D and 3D. Owned the 3D: a model-optimization service on the upload endpoint (glTFpack texture compression, Draco decode, normalized to GLB), run over uploads and the existing catalogue; mesh instancing and material sharing in the visualizer; automatic dimension detection from geometry; CSG wall/window/door cutouts; the Babylon.js 4 → 8 upgrade. Babylon.js, React, Next.js, NestJS, glTF-Transform, Draco • 620+ commits, largest contributor
- **B2B platform for a measurement-industry manufacturer**, owned front to back: carrier management and shipment tracking (migrations, entities, endpoints, UI, emails), an ERP export with per-side pricing and code mapping wired into B2B checkout, and a shared price-calculation service. Also a career portal for **the largest Czech pharmacy chain**. Next.js, NestJS, TypeORM, TypeScript • 840+ commits, largest contributor

Freelance web development • self-employed

2023 – 2024

WordPress presentation sites for local clients.

SELECTED OWN PROJECTS

- **GDPR Toolkit:** Czech GDPR-compliance SaaS for small e-shops: cookie scanning, consent banner, privacy-policy generator, RoPA records. React 19, Tailwind v4, shadcn/ui • launching 2026
- **Powder Lab:** falling-sand physics sandbox; 60fps canvas simulation engine running outside React's render cycle. live at thatmike1.github.io/powder-lab
- **ssscribe:** transcription web app, self-hosted end to end on own VPS (Docker, reverse proxy, CI).
- **MCP & agent tooling:** two production MCP servers (stateless remote transport, connected to claude.ai as custom connectors) serving own apps; cc-bench, a public A/B harness measuring how config changes alter a coding agent's output; published Claude Code skills. github.com/thatmike1

SKILLS

Core: TypeScript, React, React Native (Expo), Vite, TanStack Router/Query, Zustand, Tailwind, MUI, Next.js

Backend & ops: Node.js, NestJS, REST API design, Python scripting, Docker, Linux server admin, GitLab CI, WordPress

Way of working: AI-agentic development (Claude Code, multi-agent workflows, custom tooling) with review-driven quality control • self-directed remote delivery • direct client/CTO communication

EDUCATION

Střední škola informačních technologií, s.r.o., Frýdek-Místek, maturita

2018 – 2022

Languages: Czech (native), English (fluent)