

Michal Schneedorfer

FULLSTACK DEVELOPER · REACT, NEXT.JS, NODE.JS

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Summary

Fullstack developer with **5+ years** shipping production web apps for enterprise and startup clients. I own features **end-to-end** — from architecture to delivery — working **independently** or embedded in **large, cross-functional teams**. Comfortable as the **sole engineer** on a product, and a **mentor** within larger teams.

Available for **B2B contract engagements** (Czech-registered sole trader / IČO), with **4+ hours of daily overlap** with US time zones.

Work Experience

Applifting

Prague, Czech Republic

FULLSTACK DEVELOPER - **NEXT.JS, REACT, NEST.JS, HONO**

Sep 2023 - Present

- Core contributor to **Skoala** – an **interactive financial-literacy platform** for Česká spořitelna, used by **18,500+ users across 3,700+ schools** (~65% of Czech primary & secondary schools) [**Next.js, Nest.js, React, Vite**]
 - Integrated real-time presentations with interactive student participation (**WebSockets**)
 - Built custom CMS with slide-based builder and real-time preview
 - Built the public blog/newsfeed (**Next.js + Payload CMS**) with an editorial publishing workflow for non-technical staff
 - Participated in demos, security audits, and architecture discussions
- **Log management app** – enterprise log management: routing, transformations, collection [**React, Vite, TanStack Router, React Flow, Go**]
 - Built the core visual graph builder for configuring log flows, similar to n8n
 - Built a dynamic form engine that renders complex forms from JSON Schema generated by the backend
 - Drove a spec-driven, AI-assisted workflow that shipped features **~2x faster** than estimated
- **Projector** – internal AI tool used by the **sales team** to speed up project estimations, feature breakdowns, client briefs, and team setup [**Next.js, Hono, Firebase, Gemini**]
 - Built the file-indexing and **RAG** pipeline on **Gemini File Search**, with custom chunking and metadata tagging (by source and relevance) to control what feeds the AI and MCP context
 - Implemented an **MCP server** exposing the app's features to clients like Claude Code
- **VOGT Ultrasonics** – rewrite of a legacy weld-inspection product with improved UX and **AI-supported inspections** (partner AI model integration)
 - Rebuilt the tablet inspection app, incl. a real-time probe-alignment tool for more accurate welds
 - Built a manager platform to review results (graphs, tables), configure tablets, and design custom test plans in a visual editor
- **Kickstarted** a client's **tiny house & land marketplace** as the sole developer — since grown into a multi-person team [**Next.js, Strapi CMS**]

inQool

Brno, Czech Republic

FRONTEND WEB DEVELOPER - **REACT**

Aug 2021 - Jan 2023

- Delivered and maintained React apps—often as the sole developer
- Built **administrative systems for Charles University** (document management, ID cards with payment gateway)
- Developed tools for **VSD** (energy distributor)
 - Data visualizations (**Google Maps, heatmaps, charts**), complex tables with filtering
- Modernized legacy React apps — migrated class components to **hooks**, introduced **TypeScript**, and adopted **Tailwind CSS** as an early adopter

Education

Masaryk University

Brno, Czech Republic

MASTER'S DEGREE IN COMPUTER SCIENCE - SOFTWARE ENGINEERING

2021 - 2023

Masaryk University

Brno, Czech Republic

BACHELOR'S DEGREE IN COMPUTER SCIENCE - APPLIED INFORMATICS

2018 - 2021

- Among the top 9% of students at the end of studies.
- Earned merit scholarship for outstanding students of the Faculty of informatics.

Personal Projects

WASM Ludo

MULTIPLAYER GAME - **RUST, YEW, WEBASSEMBLY, ACTIX**

- Multiplayer Ludo game built entirely in **Rust** — Yew frontend compiled to **WebAssembly**, Actix backend, with real-time state sync over **WebSockets**

Overload

FITNESS MOBILE APP - **REACT NATIVE, EXPO, TRPC, NODE.JS**

- Fitness-tracking mobile app — build training templates, track workout history, and view stats, backed by a type-safe **trpc** + Node.js API

Other

VALUES & WORKFLOWS

- Custom keyboard-driven workflow in Neovim with integrated AI tools for high-speed development
- Runs multiple **Claude Code** agents in parallel across isolated **git worktrees** (Worktrunk), with a per-worktree Tmux session
- Always exploring modern tools, frameworks, and developer workflows

Skills

Front-end	React, Next.js, React Native, Expo, Tailwind CSS, Storybook
FE libraries	TanStack (Query, Router, Start), Apollo, Zustand, Jotai, Framer Motion
Back-end & APIs	Node.js, Express.js, Nest.js, Hono, trpc, GraphQL, REST, WebSockets
Databases & ORMs	PostgreSQL, MongoDB, Drizzle, Prisma, Knex.js
CMS	Payload, Strapi
Tooling & Testing	Jest, Vitest, Cypress, Playwright, Vite, Webpack, Turborepo, Yarn, pnpm
Programming Languages	TypeScript, JavaScript, SQL, Bash
Familiar with languages	Go, Python, Rust
Other & DevOps	Docker, Git, GitHub, Vercel, AWS, CI/CD, OAuth, Figma, Jira, Agile & Scrum, UML
AI workflow	Claude Code, Git worktrees (Worktrunk), Tmux, MCP servers (Figma, Context7), ChatGPT, GitHub Copilot

Languages

English	Fluent (C1)
Czech	Native speaker