

# Michal Dohnal

## Frontend Engineer

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## EXPERIENCE

### Frontend Developer

#### Direct pojišťovna, a.s.

08/2024 - Present

- Developing and maintaining React/Next.js applications integrated with Strapi, including work on dynamic forms and internal tools.
- Designing and improving frontend architecture and component APIs for scalability and maintainability.
- Participated in migration from a legacy component library to a modern Tailwind-based design system as part of a company-wide rebranding.
- Refactoring legacy components with a focus on clean APIs, accessibility, and consistent design patterns.
- Promoting coding standards and best practices within the team to improve code consistency and collaboration.
- Improved frontend performance: **-76% image payload, -55% LCP, -48% TBT**, +15 Lighthouse points.

### Lecturer and Mentor

#### Coders Lab

03/2025 - 09/2025

- Delivered lectures and workshops on HTML, CSS, JavaScript (ES6+), and React.
- Mentored students and reviewed their code, helping them understand best practices, architecture decisions, and modern frontend patterns.

### Frontend Developer

#### MapTiler

11/2022 - 07/2024

- Developed features for an online map editing tool using React, Next.js and TypeScript, focusing on complex UI interactions and user experience.
- Enhanced and expanded the internal UI component library used across the product.
- Implemented end-to-end testing using Cypress, significantly improving code quality and identifying and resolving bugs in the early stages of development.
- Actively participated in code reviews, providing constructive feedback to team members and ensuring adherence to coding standards.
- Collaborated on developing a Progressive Web App (PWA) for map previews, enhancing user accessibility and functionality.

### Frontend Developer

#### InQool a.s.

04/2021 - 10/2022

- Contributed to developing frontend solutions for multiple projects, serving clients such as Telekom SK, Olomoucký Kraj, and Národní knihovna ČR, leveraging React and TypeScript.
- Developed frontend solution for an online database of book illustrations utilizing React, TypeScript and Tailwind CSS.
- Introduced end-to-end testing strategies to ensure the reliability and performance of the developed solutions.

### Internship

#### IBM

10/2020 - 02/2021 | Brno, Czechia

- Developed UI components for internal dashboards using Angular
- Gained foundational experience with corporate UI workflows, code reviews and collaborative development.

## EDUCATION

### Informatics

#### Faculty of Informatics Masaryk University

2020 - 2022 | Brno, Czechia

- Completed coursework in Python, Haskell, and C programming languages.
- Studied fundamental algorithms and data structures.
- Covered topics in operating systems and computer networks.

## SUMMARY

Frontend Engineer with 5+ years of experience in React, TypeScript and modern UI development. Strong focus on clean architecture, reusable component design, and scalable frontend solutions using Next.js and Tailwind.

Experienced in building design systems, working with complex UI interactions, and delivering pixel-perfect interfaces with a strong understanding of HTML/CSS.

Also exploring creative frontend development (Three.js / WebGL) and interactive animations. Skilled in mentoring, code reviews and improving code quality across teams.

## SKILLS

### Frontend Development

React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Responsive Design, Tailwind CSS, Emotion.js, UI Libraries (shadcn, MUI), Design Systems, Three.js

### Testing

Cypress, Storybook, Jest

### Version Control & Collaboration

Git, GitHub, Bitbucket, Jira, Agile

## LANGUAGES

### Czech

Native

### English

Proficient

## INTERESTS

### ☕ Coffee

Enthusiastic home barista who enjoys exploring and sharing knowledge about coffee, honing attention to detail and creativity in both personal and professional life.

### 🚣 Sports

Having competed at the national level in rowing and currently participating in amateur bodybuilding shows, my dedication and hard work in sports since a young age translate into a strong drive and work ethic in the professional environment.

### ✈️ Travel

I enjoy traveling and exploring new places whenever I get the chance.

## FIND ME ONLINE

### 🌐 LinkedIn

[linkedin.com/in/michal](https://linkedin.com/in/michal)

### 🐙 GitHub

[github.com/DohnalMichal](https://github.com/DohnalMichal)