

Tomáš Žifčák

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Summary

Highly motivated developer with 3 years of proven experience in designing, developing, deploying, and maintaining web and mobile applications using React, Python, Next.js, Go, and React Native.

Education

Masaryk University

Bachelor's degree in Computer Science

Sep. 2023 – June 2026 (Expected)

Brno, Czech Republic

Experience

Full Stack Developer

CORA GEO

Aug 2023 – Aug 2025

Poprad, Slovakia (Remote)

- Key member of a small team that designed, developed, and launched a new web portal from scratch to production in under 5 months.
- Developed the full-stack application using Node.js for backend logic and Next.js for the user interface.
- Engaged in diverse set of development tasks, including UI/UX design, API creation, and PostgreSQL database architecture.
- Provided ongoing maintenance, bug fixes, and updates based on user feedback for the deployed applications.

Frontend Developer

CORA GEO

Jul 2022 – Aug 2023

Poprad, Slovakia (Hybrid)

- Led the successful rewrite of 3 legacy mobile applications to one React Native, resulting in less maintenance and notable improvements in performance and user experience.
- Streamlined mobile development by merging multiple applications into a single, unified React Native codebase.
- Designed and implemented new features and UI enhancements for the cross-platform mobile application.
- Mentored and onboarded 4 student interns, guiding them on best practices and project contributions.

Projects

Bageta Express | Next.js, React, Typescript, SQLite, MySQL

www.bageta.express

- Developed a web application to streamline school lunch ordering for students and a local restaurant.
- Successfully presented the application to clients (school and restaurant), secured its adoption, and managed initial marketing efforts.
- Engineered the platform using Next.js and TypeScript, enabling users to browse menus and place orders.
- Iteratively developed features based on client feedback, ensuring high reliability for order management and reporting; currently serving active users.

Course Recommender | Python, React, Content-Based Filtering, Google Cloud

www.muni.courses

- Co-developed a course recommendation system to help students discover relevant courses.
- Implemented a content-based filtering algorithms for personalized recommendations and built UI/UX.
- Deployed the application on Google Cloud Platform, establishing an automated CI/CD pipeline.
- Enabled tailored suggestions based on user-selected courses, enhancing course discovery.

OS Quiz Platform | React.js

os.zifcak.dev

- Created a popular OS quiz web application using React.js, attracting 700+ users (300 weekly active) by providing needed practice resources for university students.
- Designed an interactive and responsive UI to enhance the student learning experience.

MongoDB Analyze Tool | Go, MongoDB

github.com/tomz197/mongodb-analyze

- Developed a command-line tool in Go to analyze MongoDB collections, detecting data types and inconsistencies to aid data structure understanding.
- Provided analysis results in both tabular and JSON formats for ease of use and integration.

Technical Skills

Languages: JavaScript, TypeScript, Python, Go, C#, SQL, C, C++

Frameworks & Libraries: React, React Native, Node.js, Next.js, Express.js, NestJS

Developer Tools & Platforms: Git, GitHub, Gitlab, Docker, Kubernetes, Terraform, Google Cloud Platform

Databases: PostgreSQL, SQLite, MongoDB, MySQL,

Concepts: UI/UX Design, CI/CD, Machine Learning