Tomáš Žifčák

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Education

Masaryk University   **Sep. 2023 – June 2026 (Expected)**
Bachelor's degree in Computer Science   Brno, Czech Republic

Relevant Coursework

- Introduction to Machine Learning
- Recommender Systems
- Infrastructure and Cloud Systems
- Application Development in Go
- Data Structures & Algorithms
- Database Management

Experience

Full Stack Developer   **Aug 2023 – Present**
CORA GEO   Poprad, Presov, 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 application.

Frontend Developer   **Jul 2022 – Aug 2023**
CORA GEO   Poprad, Presov, Slovakia (Hybrid)

- Led the successful rewrite of legacy mobile applications from a different platform to React Native, resulting in 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 student interns, guiding them on development best practices and project contributions.

Projects

Bageta Express | Next.js, React, Typescript, SQLite, MySQL   **January 2024**

- 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   **May 2025**

- 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.
- Allowed users to select liked courses and receive tailored suggestions, enhancing course discovery.

OS Quiz Platform | React.js   **March 2025**

- Created a popular OS quiz web application using React.js, attracting 400+ users (100 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   **April 2025**

- 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
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, MongoDB, MySQL, SQLite
Concepts: UI/UX Design, Machine Learning