Rafał Mierniczek

FRONTEND DEVELOPER

I am a professional programmer, my main speciality is developing applications using React.js.

In addition to specializing in the frontend, I also work as a system administrator, where for a client in the medical industry I ensure the availability of critical services in public facilities working with the National Health Service.

Working in IT is a passion and hobby for me, not just a duty.

There are no impossible things for me. Achieving a goal is just a matter of time and access to documentation.

EXPERIENCE

FRONTEND DEVELOPER

React.js, Javascript, Typescript, Webpack, Rollup, Babel, REST Api, Docker

North Gravity Sp. z o.o.

2023 - currently, hybrid work

- Developing data analysis applications, with a focus on performance optimization. For example, the business requirement was for the application to parse large CSV files (up to 250mb) on the client side. For this purpose, I used the Web Workers API. This required proper optimization of the code, so that the user could use the application while the report was being generated
- Maintaining multiple branches of the application on different environments (dev, UAT, production) and internal libraries
- Using OpenAI, GPT for PDF processing, including, for example, summarizing the content contained in the document, transforming PDF to CSV, modifying CSV files
- Integration of user authentication using OAuth. Building and maintaining access to different parts of the application on a per-user, RBAC role basis
- Integration of the system with AWS cloud services
- Creating an add-in for Microsoft Excel in React.js which implements functions from the main application, e.g. allows copying data straight from our application to any (desktop, web) version of Excel. Due to a large lack of documentation from Microsoft and a lack of technical support, these tasks required searching for any information, e.g. in open-source projects
- Creating tests using Jest and React Testing Library. This saved QA engineers time and resulted in a decrease in application bugs. I used unit tests and integration tests

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LANGUAGES

English - C1 - daily work with clients, meetings, video calls

Polish - native

EDUCATION

BACHELOR OF SCIENCE CIVIL ENGINEER

Cracow University of Technology

2013-2017

MASTER OF SCIENCE CIVIL ENGINEER

Cracow University of Technology

2017-2018

FRONTEND DEVELOPER

React.js, Next.js, Typescript, Webpack, REST Api, GraphQL
DMB Edge Talent UG - ondly.com
2021 - 2023, remote work

- Creation and development of a startup involving the development of a web application for publishing job ads and an ATS system. Development of the application occurred as needed. Initially, we used ReactJS for the MVP, unfortunately, with high traffic and more and more content, I had to solve the problem of long page loading and excessive CPU/RAM load. The Next.js framework with its SSR was used to solve the problem
- Partial use of GraphQL for some endpoints returning a large amount of data, which was rarely needed in its entirety, and in many parts of the application different fields were required
- Creating additional tools e.g. resume builder. This required reprocessing resumes in the database, extracting text and personal data, translating this data into a structure in a PostgreSQL database
- Working directly with the backend/frontend tech leader. Consultation on API performance requirements and compatibility with external systems, e.g. OAuth integrations (Google, GitHub, LinkedIn)
- Remote work in an international team

STEEL CONSTRUCTION SPECIALIST

Łęgprzem Sp. z o.o.
2018 - 2021, stationary work

- Production of steel structures - preparation and implementation of the complete process
- Supervision during the assembly of steel structures
- Management of the department's finances
- Supervision of employees in terms of health and safety and proper training of the team in the used technologies
- Performing renovations of historic buildings, for example, the general renovation of the Krakow Philharmonic building, which involved the appropriate strengthening of the building's load-bearing structure
- Working in difficult weather and logistical conditions and under high time pressure

SYSTEM ADMINISTRATOR, FRONTEND DEVELOPER

React.js, Next.js, Docker, Nginx, PostgreSQL, Active Directory, Windows Server, Linux

Niepubliczny Zakład Opieki Zdrowotnej Szkolne Sp. z o.o.

2017 - currently, hybrid work

- Design and creation of a facility website with a complete content management system for patients and employees
- Build and integrate a distributed system - office software, online registration, documentation archive, database replication. The software had to meet data security requirements, as well as regulations on RODO. It also had to guarantee fast and continuous access to data during business hours.
- Technical support - troubleshooting, ongoing maintenance. Updates to systems, software, security patches
- Software migration from Windows Server to Linux. This allowed the company to save large amounts of money on software licenses, and increased system security
- Conducting security audits
- Remote assistance in case of problems - on-call around the clock
- Responding to crisis situations