MARCIN WRZOŚ

FRONTEND DEVELOPER
PORTFOLIO

i am an innovative and competent Frontend Developer with strong knowledge of **React.js** (including **Hooks** and **Redux**), **TypeScript**, and testing libraries like **Jest**. I specialize in building scalable, modular web applications with a focus on UI/UX and robust state management using **Redux** and **React Context**.

I have hands-on experience designing and maintaining user interfaces for vending machines such as "**Kwiatomaty**."

 I work closely with back-end developers to define API endpoints and application flows, ensuring seamless communication between systems. Additionally, I integrate front-end applications with AWS services — particularly **AWS S3** — for efficient image retrieval and storage.

I collaborate effectively in cross-functional teams using **agile** methodologies. My personal attributes include flexibility, highly developed analytical skills, consistency in action, and creativity in finding solutions. My ability to combine technical expertise with strategic vision allows me to craft software solutions that drive efficiency, scalability, and business success.

HOW TO REACH ME

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PROJECTS

Foodie
 View code and demo
 Tech Stack: React, Typescript, react-router, Context, API.
Foodie is a dynamic recipe discovery application that integrates with the **external Spoonacular API** to provide access to popular recipes, detailed ingredients, and preparation instructions. The app features secure **user authentication**, allowing users to rate recipes, search by name or category, and manage a personalized collection. Built with **React Router** and **Context**.

Kwiatomaty
 Tech Stack: React, TypeScript, Sass, Redux, AWS, NATS, Jest
Kwiatomaty is an application designed for purchasing flowers. The system includes an admin panel for managing machines, products, images, and language settings. It supports real-time payment event handling and image retrieval through backend **APIs** and **AWS S3,** and was developed in close collaboration with a cross-functional team using **NATS** for seamless frontend–backend communication.

Custom Cloud Platform
 Tech Stack: React, TypeScript, Redux, AWS (S3), NATS, Jest
A proprietary cloud-based system designed for **managing vending machines**. It allows clients to **remotely monitor devices** by location, configure products, and manage inventory. The platform features role-based access control, enabling **different user types** (e.g., admin or operator) to access only the functionalities relevant to their permissions. It provides access to sales history, stock levels, logs, and reports, with real-time data communication enabled through **NATS**. The system includes an intuitive admin panel for managing users, machines, and multilingual product settings.

WORK EXPERIENCE

Front end developer
Wrocław
Exa22 | February 2024 to present
- designed and developed cloud-based telemetry systems that connect machines to a web-based portal in **React** with **Typescript**
- wrote tests for front-end applications using **Jest**
- designed and maintained interfaces for vending machines such as "**Kwiatomaty**" using **React.js**
- integrated front-end applications with **AWS** services, utilizing Amazon S3 for image retrieval
- collaborated closely with **back-end developers** to define API endpoints and application flow

Non-it jobs in investment banking
Wrocław
January 2018 - January 2024
- process automation in **VBA** and **Power BI**
- Supported daily financial operations and ensured accuracy in data reconciliation, reporting, and Excel-based tracking of key performance indicators.

TECH STACK

React, Hooks, Redux, MobX, TypeScript, JavaScript, JEST library, MobX, AWS, GIT, CSS with preprocesor SASS, MUI

EDUCATION

Wrocław University of Economics
Master of Finance and Accounting
2017 - 2019

University of Wrocław
Bachelor of National Security
2014 - 2017