



# Adrian Surdu

Software Developer

## ABOUT ME

I am a software developer with almost **2 years of hands-on experience**, dedicated to creating intuitive and efficient web and mobile applications. I excel in building responsive and scalable solutions, primarily using ReactJS. My focus is on delivering seamless user experiences through clean design and efficient development practices.

My expertise lies in bridging the gap between user experience and technical functionality, resulting in applications that are not only visually appealing but also performant and scalable.

## CONTACT

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## SKILLS

### Technologies and Tools

Javascript  
Typescript  
CSS  
SCSS  
Tailwind CSS  
ReactJS  
Redux and Redux toolkit  
NodeJS  
ExpressJS  
Webpack  
Babel and SWC  
Jenkins  
Argo  
Github Actions  
Git  
Synopsys Polaris

### Knowledge & Limited Exposure

NextJS  
Python  
C/C++  
Rust  
MongoDB  
MySQL  
Linux

## EDUCATION

### Babeş Bolyai University

- Bachelor's degree, Computer Science

## RELEVANT WORK EXPERIENCE

### Frontend developer

[METRO.Digital](#) | [Depot Management](#)

Feb 2023 - Oct 2024

I contributed to the development and enhancement of multiple Depot Management solutions used across **various countries where METRO AG operates**. My work involved developing and optimizing applications critical for Stock Management within warehouses and stores.

- Developed new features and performed extensive refactoring to improve performance and maintainability of a **modern Cordova-wrapped React Typescript application**, built with functional components and used on industrial devices in warehouses and stores.
- Maintained a legacy React application using class components and Gulp, while also contributing to the development of a new application designed to resolve technical debt.
- Improved CI/CD processes by switching from deprecated React Scripts and Babel to Webpack with the SWC transpiler, making **build times 4x faster** and reducing dependency installation times by over **90% through optimized caching**.
- Addressed **security vulnerabilities** and reduced technical debt through systematic refactoring and modernization efforts, resolving approximately **80% of identified vulnerabilities**.
- Enhanced performance and developer efficiency by migrating from Redux to Redux Toolkit and refactoring codebases.

Additionally, I worked with Jenkins, Argo, and GitHub Actions to manage deployment pipelines. Experienced in both Kanban and Scrum methodologies, ensuring agile and efficient project delivery.

## Personal Projects

### [Neofit](#)

A cross-platform mobile fitness app built with **Tauri, React, Express and MongoDB**. The user can track calories, macros and water intake with a barcode scanner for easy food logging.

<https://github.com/Aricol3/neofit-tauri>

### [Tauri Calculator](#)

A cross-platform desktop calculator app built with **Tauri, React, and Rust**. It supports basic arithmetic functions and date/time difference. The app has various customization options.

<https://github.com/Aricol3/calculator-tauri>

### [Remote Mouse Control](#)

A remote mouse control system using a **Rust server and a React Native Expo mobile client**. The app allows for gyroscope-based mouse movement via a mobile device, real-time data transfer using UDP, and easy QR code connection setup.

<https://github.com/Aricol3/gyro-mouse>

### [Recipe Generator](#)

A recipe generator built with **React and Redux Toolkit**. It uses a custom OpenAI assistant to fetch recipes from natural language input and displays images from Unsplash based on the recipe title. Users can save favorite recipes locally for later viewing.

<https://github.com/Aricol3/recipe-generator>