# Adrian Surdu
### Software Developer

## CONTACT

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## SKILLS

**Technologies and Tools**

Javascript
Typescript
CSS and CSS modules
SCSS/Saas
ReactJS
Redux and Redux toolkit
Webpack
Babel and SWC
Jetkins
Argo
Github Actions
Git
Synopsys Polaris

**Knowledge & Limited Exposure**

NextJS
Tailwind CSS
NodeJS
ExpressJS
Python
MongoDB
MySQL
Linux

## EDUCATION

**Babeș Bolyai University**

- Bachelor's degree, Computer Science

## 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.

## RELEVANT WORK EXPERIENCE

### Frontend developer

METRO.Digital | Depot Management

Mar 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 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

### Tauri Calculator

A cross-platform desktop calculator app built with **Tauri, React, and Rust**. It supports basic arithmetic and additional functions like square root and reciprocal calculations. The app takes advantage of Tauri's lightweight nature, offering better performance and smaller size compared to Electron-based solutions. Features include keyboard support, responsive UI, and platform-specific UI enhancements.

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