# Adrian Marcel Dobkowski

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## Skills

- TypeScript | JavaScript | React | Next.js | Node.js | HTML | CSS | SASS | Redux
- Express | Linux | Go | Scala | Python | Java | C++ | SQL | PostgreSQL | MongoDB
- Supabase | Docker | Git | R | Polish (native) | English (C1) | German (B1)

## Experience

### Twitter Clone

- Developed a **social media** application as part of a Web Security and Cloud Engineering course using **React, Next.js** and **Go**.
- Created an API in **Gin Gonic** for users to publish and interact with posts in real time.
- Containerized all services with **Docker**, implementing a **microservices architecture** to improve scalability.
- Used **Supabase** for the management and storage of multimedia content, utilizing its bucket system to handle images and videos.

### Tram Communication System

- Developed a software application that determines the optimal route to your destination using public transportation in Poland, built with **React** and **Python**.
- Integrated **WebSocket** communication to provide real-time alerts about tram delays, enhancing user experience and journey planning efficiency.

### Stock Market Analyzer

- Designed and created a stock market analysis tool implementing predictive models (e.g., **Linear Regression**) to evaluate market trends and forecast stock behavior in **Python** utilizing **NumPy, pandas, matplotlib** and **sklearn**.
- Developed a web application in **streamlit** for real-time monitoring of stock prices, featuring dynamic and interactive chart visualizations.
- Implemented a **recommendation engine** to suggest buying, selling, or holding actions based on analytical outcomes.

## Education

**University of Gdańsk**

Bachelor of Practical Computer Science                                 *Oct 2023 - Present*