




# DAWID NAJDZIOŃEK


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## CONTACT

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## EDUCATION

### Mechatronic Technician

- I gained knowledge in the field of mechatronics, automation and PLC programming,
  - I participated in projects related to the design and programming of robots,
  - I took part in foreign apprenticeship (PLC Programmer - Gnosjo, Sweden GARO AB)
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## SKILLS

**Languages:** Go, Python, C++, JavaScript/TypeScript

**Frameworks:** Flask, FastAPI, Plotly Dash, Vue/Nuxt.js, Gin

**Data:** Web Scraping, Data Cleaning, Data Analysis & Visualization

**Tools:** Visual Studio Code, Git, Trello, AWS, Google Cloud, Docker, Canva, MongoDB Atlas, Microsoft Excel, Google Sheets

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## ABOUT ME

I am a student with an interest in data, new technologies, cloud and programming. My journey in programming began 4 years ago. Rather than relying on motivation alone, I prioritize discipline in my approach. I am committed to consistently improve my skills. Technology continues to evolve, and I am dedicated to staying updated with emerging trends.

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## PROJECTS

### cachedb

<https://github.com/dwnajdz/cachedb>

- In my project, I implemented CacheDB, a fast and scalable in-memory database utilizing the gRPC protocol and TCP/IP protocol. CacheDB uses CacheLib, a pluggable caching engine written in C++ by Meta, allowing for high-performance cache services or storing services.

**Skills:** C++, Networking Basics, TCP/IP

### Secure Web Token

<https://github.com/dwnajdz/swt>

- I created a module called SWT (Secure Web Token) which enables secure information sharing between a client (such as the frontend of an app) and a server (the backend of the app). Similar to JSON Web Token. This module utilizes a symmetric-key algorithm, advanced encryption standard (AES-256) and base64 encoding.

**Skills:** Go, Cryptography, JSON Web Token

### Polish and German car market analysis

<https://medium.com/@dwnajdz/analiza-polskiego-i-niemieckiego-ryнку-samochod%C3%B3w-6d08cb6af3a2>

- Published article about Polish and German car market analysis in Polish language which gained recognition in social media (e.g. twitter, wykop). Article provides a comprehensive analysis of the automotive markets in Poland and Germany. It delves into various aspects such as industry trends or consumer preference. The article aims to offer insights and valuable information for businesses or individual sellers.

**Skills:** Python, Jupyter Notebook, Pandas, Data Analysis, Visualization, Cleaning and Collection

### vcrs (version-control-rust)

<https://github.com/dwnajdz/vcrs>

- I designed and implemented a distributed version control system from scratch using Rust, ensuring optimal performance and reliability. Developed a user-friendly command-line interface (CLI) using Rust's clap library, simplifying the process of interacting with the version control system.

**Skills:** Rust, Command Line Interface, Git

### NoteSaver

<https://github.com/dwnajdz/flask-notesaver>

- NoteSaver is an app where you can save notes and share them with others. It was built in Flask and uses an SQLite database to store notes and user data. NoteSaver allows you to create private notes that are visible only to you. However, if you share the note's link, anyone can access it. The app also features a search engine for finding public notes.

**Skills:** Python, Flask, JavaScript, HTML, CSS, Docker, SQLite, AWS, System Design

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