DAWID NAJDZIONEK

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 taked part in foreign apprenticeship (PLC Programmer - Gnosjo, Sweden GARO AB)

SKILLS

Languages: Go, Python, C/C++, Rust, JavaScript, SQL, Mojo (beta)

Frameworks: Flask, FastAPI, VueJS, SvelteKit, Gin

Data: Web Scraping, Machine/Deep Learning, Data Analysis & Visualization

Tools: Visual Studio Code, Git, Jira, Trello, IDA Pro, Canva, Azure, Google Cloud, Docker, Kubernetes

ABOUT ME

I am a student with a passion for data, new technologies, networking and programming. I love expanding my knowledge. 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.

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++, Rust, CMake, Networking Basics, gRPC, TCP/IP, Shell Script

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). Similiar 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

trashkv

https://github.com/dwnajdz/trashkv

- Developed TrashKV, a simple key-value store written in Golang that utilizes AES encoding for secure data storage, retrieval on an HTTP server and hashmap data structure. Implemented basic key-value operations, ensuring data confidentiality through encryption. Demonstrated proficiency in Golang and showcased the ability to design and develop secure server applications with efficient data management capabilities.
Skills: Go, JavaScript, HTML, CSS, HTTP Protocol, Data Structures, OOP Programming

vcrs (version-control-rust)

https://github.com/dwnajdz/vcrs

- I designed and implemented a distributed version control system (DVCS) 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

lyra (investing app)

https://github.com/dwnajdz/lyra

- Lyra is a demo platform for investment in various assets, such as stock markets, forex and cryptocurrencies, using Python, Flask and yahoo finance API. Created a user-friendly web application with interactive features, allowing users to simulate trading activities and explore different investment strategies. Demonstrated expertise in Python and web development, providing a valuable tool for users to gain hands-on experience in the world of investing.
Skills: Python, JavaScirpt, HTML, CSS, Docker, SQLite, Plotly, API

View more projects on my website