


# MACIEJ MARKOWSKI

Full Stack / Python Developer


 [Maciej Markowski](#)

 [mmarkowski.vercel.app](#)

 784577827

 [github.com/kakackle](#)

 Lodz, Poland

 [markowskimaciej98@gmail.com](mailto:markowskimaciej98@gmail.com)

## SUMMARY

Breadth-first, end-to-end app developer. Most proficient in Python, Django, pandas and Vue, but always learning new tech stacks and open to work in most web frameworks or anything Python, including Data Science and Machine Learning-related topics.

## SKILLS

**Languages:** Python, JavaScript, HTML, CSS, SQL.

**Frameworks:** Django, Vue, React, Django Rest Framework, Nuxt.js, Flask.

**Technologies and Tools:** Git, OpenCV, pandas, Dash, plotly, GCP, R, PostgreSQL, Figma, Arduino.

## PROJECTS

Django, Vue,  
DRF,  
PostgreSQL  
Amazon S3  
Stripe

### Fully-fledged Fullstack Store / Kalopsia

[github link](#) - [live site](#)

Built with Django as a full-stack framework serving static Vue files for additional level of interactivity guaranteed by the SPA architecture, communicating with Django both directly and through a REST-style API, while utilizing Django's built-in account and security features. Also includes Stripe and Twilio SendGrid service handling for payments and newsletter distribution.

Django, Vue  
DRF, PostgreSQL  
Markdown  
OpenAPI

### Account-based Fullstack separate domain Blog

[github link](#) - [live site 1](#) - [live site 2](#)

Account-based blog with multi-image markdown post creation, tag definitions, comments with replies, liking and favouriting with sorting and filtering by data-based criteria. Entirely separate backend and frontend app, communicating through a REST-style API.

pandas, plotly  
Dash  
scikit-learn

### Song Lyrics Analysis

[github link](#) - [live site](#)

In-depth exploratory data analysis of song lyrics spanning multiple genres, decades, analyzing the structures, topical mentions, sentiments and others

Django, HTMX  
Amazon S3  
Bootstrap

### Fullstack Django Instagram clone

[github link](#) - [live site](#)

Instagram clone featuring infinite scroll, account, follow, like, comment and post filter models and functionalities, supported by HTMX for in-place partial refreshing

## EDUCATION

3/2021 - 9/2022

### Automation Theory and Robot Control [M.Sc.]

Lodz University of Technology

Thesis: Remote control of a mechanical hand with haptic feedback - C++, Arduino, Unity, websockets, a lengthy state-of-art research section

9/2017 - 2/2021

### Automation and Robot Control [B.Sc.]

Lodz University of Technology

Thesis: Hardware implementation of selected Rubik's cube arranging algorithm with the use of visual information - EmguCV (C# OpenCV equivalent), Arduino

## EXTRA

Education

### Notable School Projects

Lodz University of Technology

- OpenCV object 3D-space localization using Zhang's method
- BLE triangulation-based user localization app with focus on accessibility (research and planning)
- Guitar effect with circuit simulation and a functional prototype

Student Club

### SKN Kosmos

Lodz University of Technology

Worked on creating Arduino-controlled model rockets and integrating new members into the club

## EXPERIENCE

08/2021 - 10/2021 **Intern**

Ergom

Introduced to every department's workflow and tools. Industrial cable electrical resistance testing

## LANGUAGES

**English** - C1 certified, **Polish** - native, **Spanish** - A1+

I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the European Parliament's and Council of the European Union Regulation on the Protection of Natural Persons as of 27 April 2016, with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC.