


MACIEJ MARKOWSKI

Full Stack Developer


 [Maciej Markowski](#)

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SUMMARY

Breadth-first, end-to-end app developer. Most proficient in Python, Django and Vue, but always learning new tech stacks and open to work in most web frameworks or anything Python.

SKILLS

Languages: Python, JavaScript, HTML, CSS, SQL, C++.

Frameworks: Django, Vue, React, Django Rest Framework, Nuxt.js, Next.js (learning), Flask (learning), FastAPI (learning).

Technologies and Tools: Git, OpenCV, PostgreSQL, Figma, Arduino, Docker (learning).

PROJECTS

Django, Vue,
DRF, webpack,
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.

React, Redux
Supabase

Rate Your Stuff / React social platform

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

Built with React and modern React libraries (Redux, Router) supported by a Supabase-hosted PostgreSQL database and authentication system. Includes posting, commenting, filtering and account functionalities through CRUD operations.

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+

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