MACIEJ MARKOWSKI

Full Stack Developer

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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 definitons, 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, lenghty 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+