Pascal **Jodłowski**

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"People who can't grasp what's important can never make the right decisions."

Summary

Passionate about crafting web solutions with an engineering approach, while playing with offensive security in the free time. I am an open-source enthusiast and proud user of NixOS. Embracing a continual learning mindset, I explore new technologies and tools to stay current in the ever-evolving field of IT.

Skills

DevOps	Docker, Github CI
Back-end	Phoenix Framework, REST API
Front-end	LiveView, React, React Native, HTML, Tailwind
Programming	Elixir, Python, JavaScript, TypeScript, Rust, nix
Languages	English, Polish

Experience

Curiosum   *Remote*

Fullstack Elixir developer - Intern   *1 month*

- Created real-time web application with LiveView
- Created Postgres migrations with Ecto

Projects

Kotkowo 🔗   *Elixir, Phoenix, Rust, Strapi, GraphQL*

A charity cat adoption website   Source

- Create interactive LiveView pages
- Load content using LV's handle_async
- Work on NIF layer written in Rust
- Connect the app with Strapi using GraphQL

Venomous   *Elixir*

A wrapper for managing concurrent Erlport Python processes with ease   Source

- Utilized GenServers to manage concurrent erlang Ports
- Handle sudden exits, ensuring python processes die instantly

Elixirus 🔗   *Elixir, Python, Erlport, Phoenix, JavaScript, librus-apix*

A better Frontend replacement for Librus Learning Managment System written in Phoenix LiveView   Source

- Created responsive UI with Mobile First approach
- Added caching to improve load times and user experience
- Dockerized and deployed the application to remote VPS
- Connected python library with elixir using Erlport

librus-apix   *Python*

API for Librus Synergia educational platform   Source

- Used webscraping to fetch data from librus

VPS-Home-Proxy   *SSH, Linux, Bash, a bit of soldering*

Home network proxy gateway through ssh tunnel using recycled mobile phone running PostmarketOS

- Boot up a fresh PostmarketOS Linux installation on Samsung S5
- Setup an SSH tunnel for Squid Proxy
- Utilize bash scripting with rc-service to auto-start and keep the connection alive

Education

Zespół Szkół Elektrycznych im. prof. Janusza Groszkowskiego w Białymstoku   *Białystok, Poland*