

Wojciech Bak

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Summary

A reliable, approachable, hard-working, and self-motivated individual who takes pride in completing all tasks to a high standard. Punctual, adaptable, and quick to develop skills efficiently. With a strong background in automotive and construction industry, I have sharpened my problem-solving skills and am now looking to excel in software development. Over a year of experience on personal projects with extensive learning in computer science and data science, management and economics.

Education

06/23 to 05/24 Codecademy

- Full-Stack Engineering

10/22 to 05/25 – Open University

- Business Management with Economics

Experience

Building Products Comparison Website

Personal Project - <https://compareproducts.wlozimierrr.co.uk/>

- Developed a Next.js front end for product search and categorization., using Tailwind CSS and Shadcn UI, set up Nginx and Certbot for reverse proxy and SSL certificates.
- Built and automated a Python scrapers for Tradepoint, Screwfix and Wickes, containerised and hosted on AWS EC2, integrating Lambda, EventBridge, and AWS Simple Email Service.
- Managed PostgreSQL on AWS RDS with Algolia Search for advanced indexing.
- Set up CI/CD with GitHub Actions, AWS ECR and Docker.
- Implemented telemetry monitoring solutions with Grafana, Prometheus, Loki, Promtail, Cadvisor and Node Exporter
- Check out my [Github](#) page for more detailed explanation.

React Vite Shop App

Personal Project - <https://peakperformance.wlozimierrr.co.uk/>

- Developed a shopping application using React Vite for a fast and responsive user interface and admin portal.
- Implemented a Node.js and Express.js backend for handling API requests and business logic.
- Set up a MongoDB database for efficient and scalable data storage.
- Self-hosted the application on a Google Cloud VM, ensuring reliability and performance.
- Set up Caddy for reverse proxy

Skills

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| <ul style="list-style-type: none">• Ability to work well with others and independently using my initiative• Strong analytical and problem-solving skills• Self-motivated and results-driven• Excellent written and verbal communication skills.• Proven ability to build and maintain customer relationships.• Jupyter Notebooks• Source Control (GIT, Github)• Operation System (Windows, Linux)• Microsoft Office (Word, Excel, PowerPoint)• Software Development Methodologies (Scrum) | <ul style="list-style-type: none">• Frontend (React, NextJS, Angular)• Backend (Express JS, Node JS, Python)• Cloud Computing (AWS, GCP)• Database Management (SQL, NoSQL, PostgreSQL, MongoDB)• Python (Flask, Scikit-Learn, Pandas, PyTorch, TensorFlow)• JavaScript, TypeScript• Web Scraping (Requests, Selenium, Scrapy, puppeteer)• Data Analytics (Python, Minitab)• Data Structures and Algorithms• Telemetry (Grafana, Prometheus, Loki, Promtail)• Web Servers (Caddy, Nginx)• Testing (Jest, Swagger, Postman) |
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