

JAKUB SOPEL

Python Developer / DevOps

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EXPERIENCE

Django Developer

Mateusz Jaśiński software

July 2021 – June 2024 Remote

- System Architecture and Design: Spearheaded the design and development of backend systems, ensuring scalability, reliability, and performance. Collaborated with the architecture team to design data models and database schemas for optimal efficiency.
- API Development: Developed and maintained RESTful APIs, enabling seamless communication between frontend and backend systems. Implemented authentication and authorization mechanisms to ensure data security and user privacy.
- Database Management: Designed and optimized database queries, reducing response times and enhancing overall system performance. Implemented database migrations and ensured data integrity through regular maintenance.
- Integration and Third-Party Services: Integrated third-party services and APIs to enhance system functionality and provide additional features. Collaborated with the integration team to troubleshoot and resolve issues related to external service dependencies.
- Code Quality and Testing: Implemented automated testing procedures, resulting in a significant reduction in bugs and enhanced software reliability. Conducted code reviews to ensure adherence to coding standards, best practices, and maintainability.

Python Working student

Nokia

April 2024 – Ongoing Remote/Hybrid Wrocław

- Develop and maintain an internal tool using Flask (backend) and React.js with TypeScript (frontend).
- Design and manage MongoDB database models with Marshmallow for data validation and serialization.
- Containerize applications using Docker and orchestrate multi-container setups with Docker Compose.
- Write and maintain unit and integration tests using Pytest to ensure code reliability.
- Maintain and extend the existing GitLab CI/CD pipeline to optimize automation and deployment processes.
- Collaborate with cross-functional teams to gather requirements and improve the tool's functionality.
- Ensure code quality, performance, and security best practices in both backend and frontend development.

STRENGTHS

- Hard-working Eye for detail
- Eager to Learn

- Python Flask
- Docker Docker Compose Elasticsearch
- MongoDB PostgreSQL Bash
- ReactJS - Basic TypeScript - Basic Gitlab
- Gitlab CI/CD DevOps Django DRF
- Git GitHub Linux Proxmox Terraform
- Networking

LANGUAGES

- English ● ● ● ● ●
- Polish ● ● ● ● ●

EDUCATION

Engineer Computer science

Opole University of technology

October 2020 – June 2024

Thesis title: A web application that aggregates Rubik's Cube solutions with results from all over the world

Master Computer science

Opole University of technology

October 2024 – Ongoing

PROJECTS - MATEUSZ JAŚIŃSKI SOFTWARE

Project 1

Community feature

📅 2021

This project consisted of creating a fully fledged social board associating users in a close area based on the location. The board supported all necessary social features, posting, commenting reacting. Project also included an admin panel. Tech stack: Django, drf, elastic search, PostgreSQL, Docker, AWS

Project 2

Hub feature

📅 2022

Similar project to the community, this time associating medical professionals in a given field, based on their claimed profile in a large ecosystem. Project also included an admin panel. Tech stack: django, drf, elasticsearch, PostgreSQL, Docker, black, isort

Project 3

Global wallet system

📅 2022

Project consisted of a global system for purchasing a premium currency to be used for promoting one's own medical profile as well as an admin panel for managing said packages. Achieved test coverage was 90% Tech stack: django, drf, stripe payments

Project 4

Home page

📅 2022

Project required creating a brand new and modern landing page accommodating wagtail cms for dynamic content placement. Tech stack: django, drf, wagtail.

Project 5

Global Search System

📅 2022

Project aggregating all content in a multi million record database. Medical Content (articles, polls, quizzes), medical professionals, clinics, hospitals, non-for-profits. Feature required creating a new elasticsearch index as well as custom serializers for each type to unify the data for the frontend application. Tech stack: django, drf, docker, elasticsearch

Project 6

Content Feature

📅 2023

Project aggregating all content in a multi million record database. Medical Content (articles, polls, quizzes), medical professionals, clinics, hospitals, non-for-profits. Feature required creating a new elasticsearch index as well as custom serializers for each type to unify the data for the frontend application. Tech stack: django, drf, docker, elasticsearch

Project 7

User Dashboard

📅 2023

This project is being created to replace an old legacy user dashboard that houses all the projects, profiles and statistics for them in a one central place. Tech stack: django, drf, elasticsearch

PROJECTS - NOKIA

Project

Internal Tool

📅 2024

Project being used by almost 40k people monthly. I cannot provide more details because of my NDA. Tech stack: Flask, docker, bash, reactjs, pytest, mongodb, elk stack, Marshmallow, ruff, biomejs, gitlab ci/cd and more