JAKUB SOPEL

Python Developer / DevOps

jakubsopel7@gmail.com +48531133571 Opole Poland https://rave1.github.io/js-landing/
https://www.linkedin.com/in/jakub-sopel-4b8a261b0/ https://github.com/rave1 https://gitlab.com/rave11

EXPERIENCE

Django Developer

Mateusz Jasiński 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.
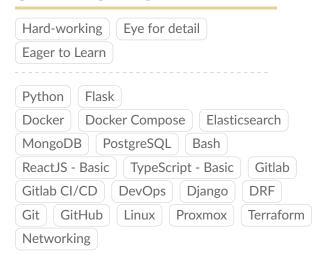
Python Working student

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 JASIŃSKI SOFTWARE

Project 1

Community feature

📅 2021

This project conisted of creating a fully fleged social board associating users in a close area based on the location. The board supported all neccessary 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

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Project 3

Global wallet system

📅 2022

Project consisted of a global system for purchasing a premium currency to be used for promoting ones own medical profile as well as an admin panel for managing said packages.
Acheived 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 acommodating 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, quizes), medical proffesionals, 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

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Project 6

Content Feature

📅 2023

Project aggregating all content in a multi million record database. Medical Content (articles, polls, quizes), medical proffesionals, 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 dashborad that houses all the projects, profiles and statistics for them in a one central place. Tech stack: django, drf, elasticsearch

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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