Vladimir Iakimenko

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Backend Developer Python

Key Competencies

o Programming Languages: Python, SQL
o Operating Systems: Linux (Debian, Ubuntu, Arch), Windows
o Databases: Postgres, MySQL, SQLite
o Frameworks: Django, DRF, Flask
o Testing Tools: Pytest, Unittest, Selenium
o Project Deployment Technologies: Docker, Gitlab Pipelines, Github Actions

Professional experience

Up to 2015:   Held various positions (including management) in the inbound tourism industry
2015 – 2022:   Entrepreneur in the multi-apartment building maintenance sector

Underwent professional training at Netology
"Fullstack Python Developer" course (program available *via link*)

Project Examples:

http://so-books.ru a web application for cataloging a vast private book collection. I developed the API service using Django Rest Framework for interactions with a node.js frontend (my role was backend and deployment). PostgreSQL served as the database.

Docker was used to maintain containerized deployment, and Nginx (via Gunicorn) as the web server. CI/CD settings were implemented using GitLab Pipelines, including automatic tests (Unittest) when creating a pull request, and automated deployment upon merging.

During the development process, a professional workflow was strictly adhered to, where I had a separate development server raised for in-development application versions (the production server was launched with the first pushes and did not go down for a single minute).

To preserve data during crashes/restarts of containers, I implemented a shared volume with database settings and developed a background process with regular data dumps sent via email.

https://github.com/VladIakimenko/VKinder the project implements a multithreaded dating bot for the VKontakte social network. Key technologies used in this project include Python together with requests to the VKontakte API, implemented in VKscript. The project includes a PostgreSQL database managed with SQLAlchemy library.

The project places special emphasis on multithreading. The bot uses different threads to process events, suggest profiles, and make API requests at the same time. The bot includes functionality that allows users to add profiles to a "blacklist" or "favorites". Profile searches are carried out not only in the existing database but also through requests to the VKontakte API with subsequent saving of results to the database.

The project implements unusual methods of linguistic analysis for matching user interests with the use of the pymorphy2 library. Only nouns and infinitive verbs were selected, transforming any descriptive passage into a list that can be sorted alphabetically and compared to others.

Education

2010 Institute of Foreign Languages, St. Petersburg
"Translation and Linguistics" English Language, Specialist'

English level: C2 — Proficient

About Me

I am a Python developer with experience in projects related to the creation of backend systems for web applications. I have a good understanding of databases, both through direct structured queries (SQL) and via ORM models (SQLAlchemy, Django-ORM). I possess skills in developing API interfaces using the Django Rest Framework. I am as well capable of producing "A to Z" web applications using Django templates. At the moment, I have a basic understanding of HTML markup principles and the use of CSS tables, sufficient for solving applied tasks.

I have a set of basic skills in DevOps. I can independently carry out the deployment of a web project on a server, both using Docker containers and directly - by installing the necessary packages through Linux repositories and setting up CI-CD processes in Gitlab and Github (automating testing and deploying new versions of the project when updating the application version). I have experience configuring Nginx and Gunicorn interfaces. Thus, I can effectively participate in any stage of a project development, from its planning to its production deployment.