Serhii Kushchenko - Bratislava, SK, +421950522706, send2kust@gmail.com

Python Developer, Team Lead, Database Developer, Data Analyst

Seasoned Python developer, database developer, data analyst with 4+ years of commercial experience in startups and product companies. I specialize in back-end development using Django, Flask, FastAPI, and AWS Lambda. Also, I have extensive experience in data analysis. I have solid knowledge of databases, primarily PostgreSQL and MS SQL Server. From 2006 to 2014, I was the proprietor of an online store. In this position, for many years, I successfully managed IT professionals, both on-site and freelance. I strive to utilize the best software development practices, including SOLID principles, design patterns, and automated testing. I am a quick learner. I am dedicated to solving the business problems, writing clean and robust code.

University Education

- Computer Science, Probability and Statistics –
  National Technical University of Ukraine, 2001-2006.
- Biochemistry - Univerzita Komenského v Bratislave, 2017-2019.

Languages: **English– C1**, Russian and Ukrainian – native, German – A1, Slovak – B2.

Skills & Abilities

- Python web development frameworks: Django, FastAPI, AWS Lambda.
- SQL and DBs: PostgreSQL, MS SQL Server, MySQL, Dynamo DB, MongoDB.
- RESTful API, WebSocket, GraphQL, AWS API Gateway.
- Data cleaning and data analysis in Python: Pandas, NumPy, Scikit-learn, SciPy, etc.
- Statistics and machine learning, including feature engineering, hypothesis testing, optimal model choosing, parameters tuning, and cross validation.
- Web data scraping in Python using Requests, Beautiful Soup, lxml, Selenium, and services for bypassing blocking.
- Testing – unittest, pytest, Selenium.

- SOLID principles, software design patterns, agile methodology, test-driven-development, extreme programming.
- Supplemental skills: Docker, Git, bash, XML, JSON, HTML, CSS.

Please see:

1. My [StackOverflow profile](#)
2. [LinkedIn profile](#) - full experience and references
3. [GutHub account](#)
4. Pet projects listed below

Recent experience (please see more in [my LinkedIn profile](#), 4+ years)

Python Developer – ANTOLA.sk, remote – since 07/2020.

I have worked on several Django/DRF projects. They were mostly mature projects in different fields. Usually, they had big and messy legacy codebases. In addition to developing new features, I dedicated myself to refactoring legacy codebases. My efforts focused on improving their readability, increasing test coverage, and boosting their code quality score.

Python/Django Developer– Develux, remote – 11/2022 – 04/2023.

Python/Django backend development. Worked on a mature medium-sized project with messy codebase. It was a highly specialized site for hiring freelancers. Contributed to developing new features and solved some technical debt.

Portfolio Projects

1. Django PostgreSQL Materialized View Example

The complex JOIN queries can exert a heavy load on the database and cause frustration to users due to their long processing times. The solution to this problem involves preparing the results of these queries in advance and storing them in the database. This [repository](#) showcases an implementation of such a

solution for Django and PostgreSQL. The project has proven beneficial to the Django community, as evidenced by the 11 stars it has already garnered on GitHub.

2. Django Crispy Forms Advanced Usage Example

It demonstrates the creation and processing of the large and complex form in Django using django-crispy-forms, without JavaScript. The form contains several buttons that require executing different actions during the processing phase. Also, in the form, the number of rows and columns is not static but varies depending on some conditions.

Codebase - https://github.com/s-kust/django-advanced-forms. Also, dev.to article - https://dev.to/djangotricks/guest-post-django-crispy-forms-advanced-usage-example-51m0.

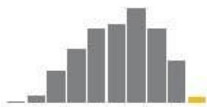As of now, this project has already amassed 6 stars on GitHub.

Serhii Kushchenko • You

Python (Django, FastAPI) | AWS | SQL | ML | Data Analysis. Universit...

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Why is it becoming so common for senior software engineers to intentionally drop out of hiring processes that require coding tests?

To show that I'm good at software development, I've done the following:

1. I have uploaded my projects to GitHub, and they have received many stars from other users. Also, they demonstrate that I write clean code and cover it with tests.

2. I'm active on Stack Overflow, where I've earned a high rating by helping others and sharing my knowledge.

3. On LinkedIn, people have said nice things about me and my work as a developer.

It's easy for potential employers to check out all these things and get a good sense of my skills and experience. If an employer keeps insisting on completing a test task, it could mean they don't want to hire a new employee. In that case, the best thing for me to do is stop wasting time and move on to other opportunities.

This badge was issued to Serhii Kushchenko on July 13, 2020

✅ **Verified**   🎉 **Celebrate**