

Andrejs Hmelovs | Python Developer

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Summary

Python Engineer with over 5 years of expertise in Python and more than 10 years of overall programming experience.

Proficient in grasping your business needs, transforming them into technical specifications and simply getting the job done.

- Has 5+ years of Python programming experience, 4+ years Data Analytics & Research experience, 2+ years of Team Leadership of Developer team (5+ ppl).
- Crypto enthusiast with a side project that has 300,000+ users (max MC \$600K+).
- MIPT (Phystech) graduate, IPHO 2009, 2010 honorable mentions.

Skills

Python (Flask, aiogram), SQL (MySQL, PostgreSQL, Vertica, MS SQL, GCP), SQLAlchemy, Redis, NoSQL, JSON, REST API, Microservices, Data visualization (Tableau, QlikView), ETL-process (Airflow), DigitalOcean cloud service, Microsoft Azure, JavaScript, React

Experience

Python Developer | TONFNOT | 12.23 — current

Telegram MiniApp Game (200K+ players)

- Created a Telegram bot using Python Aiogram 3 and Matplotlib for graph visualization, attracting over 15,000 users in the first month.
- Developed a backend JSON API using the Python Flask framework, supporting 20K DAU and attracting over 200,000 players in 4 months.

Team: 2 backend developers, 1 frontend developer.

Technologies: Python, Flask, Aiogram3, sqlalchemy, MySQL, PostgreSQL, Redis, DigitalOcean, Azure, TMA

Python Developer | BigLayoutData | 07.22 — current

Proptech startup, In5 Tech Dubai resident

My role involved developing a web widget for interior design automation.

- Developed a backend JSON API using the Python Flask framework on DigitalOcean cloud.
- Designed MySQL database architecture for floor plans and furniture items.
- Created a classification system for items using the OpenAI API and Azure Custom Vision API.
- Built the widget MVP in JavaScript, providing a WL solution for easy implementation on any website.
- Developed a custom GPT to recommend local store furniture based on user images, utilizing the GPT-4 vision model and the GPT actions API.

The widget was successfully implemented on four partner sites.

Technologies: Python, Flask, sqlalchemy, MySQL, DigitalOcean, OpenAI API, Azure Custom Vision API, JavaScript, GPT actions

Python Data Analyst | OZON | 11.21— 08.22

The first e-commerce marketplace in Russia “the Amazon of Russia.”

Project 1: new courier delivery payment algorithm

- Developed a new payment algorithm on Python for courier delivery with savings up to 500,000 \$

Project 2: control system for custom payments

- Created an algorithm of delivery cost calculation with custom payments embedded which reduced amount of custom payments up to 200,000 \$ / month
- Developed a custom payments control system of Tableau dashboards for the finance team.

Python Data Analyst | BlaBlaCar | 07.19 — 08.21

The world's leading community-based travel network.

Project: bus stations partners reports reconciliation system

- Developed an automated system for report reconciliation using Python, accelerating the process from 30 days to 15 days.

Project: Busfor integration in BlaBlaCar

- Developed a system of dashboards for operational results using data from QlikView and GCP with Python and SQL. Transitioned from manually updated dashboards to automated ones.

Startup Founder | physioline.ru | 01.14 — 02.20

Sport equipment startup. Sold in 2020 and continues to operate.

Education

Moscow Institute of Physics and Technology (State University) (MIPT) 2010 - 2016

Master's degree, General and applied physics

Education Honors & awards

Honourable Mention (81 countries, 404 participants)

Issued by International Physics Olympiad, Zagreb, Croatia · Jul 2010

Honourable Mention (79 countries, 395 participants)

Issued by International Physics Olympiad, Merida, Mexico · Jul 2009

Certificates

- **Project management by Google**
- **Dive into Python by MIPT and @mail.ru group**
- **Introduction to machine learning. HSE University & Yandex School of Data Analysis**
- **SQL for Data Science**
- **Agile and Scrum in work on projects and products. Tomsk State University, ScrumTrek & E-Learning Development Fund**