

ALEXANDER GOLUBEV

Software Developer (Python)

@ mrestof+work@disroot.org

📍 Prague, Europe

🐙 github.com/Mrestof

in linkedin.com/in/mrestof

EXPERIENCE

Python/JS Software Engineer

U.S. News

(Web/Backend/AI development in Python and JS)

📅 Sep 2024 – Present

📍 Remote

- Worked primarily with Python to implement new backend features in a fully English speaking environment
- Helped to improve the type annotation state in the codebase
- Introduced code analysis tools and helped improve observability
- Developed some UI features in JavaScript for our tool to test AI templates

Tech list: Python, JavaScript, Jupyter, Django, LangChain, LangGraph, Pydantic, PostgreSQL, structlog, Docker, Docker Compose, AWS, Jenkins

Python Developer / Data Analyst

PVRADAR

(B2B soiling analysis; API and internal tools development)

📅 Oct 2023 – Sep 2024

📍 Remote

- Worked in small size company as Python Developer and Data Analyst in half English, half Ukrainian speaking environment
- Gathered, processed and delivered different meteo data from many different sources, both local to specific country and from globalistic sources
- Developed and improved internal tools for data processing and gathering
- Developed internal API for automatic data gathering, processing and delivering

Tech list: Python, NumPy, Pandas, Jupyter, FastAPI, Pydantic, Celery, Redis, PostgreSQL, MongoDB, structlog, Docker, Docker Compose, AWS

Python/C Developer

Nvidia

(Low-level network hardware simulator development)

📅 Dec 2022 – Sep 2023

📍 Remote

- Worked in enterprise company as Python Network Developer entirely in English speaking environment
- Developed and shipped many new features to the existing simulator
- Took initiative, researched and fixed critical bugs when such were brought by other teams

Tech list: NDA

Python Developer

Data Forest

(B2B from scratch machine learning solutions with UI/UX)

📅 Jul 2021 – Nov 2022

📍 Remote

INTERESTS

Technical

- Vi/Vim/Neovim enthusiast
- OS tweaking (primarily ArchLinux)
- Learning about new, open source and not bloated software
- Hacking (as in the original meaning: tweaking the software, sometimes even rewriting it)

Hobbies

- Hiking / Cycling

SKILLS

Python

Linux (Debian/Arch-based)

Git

HTML & CSS

Networking

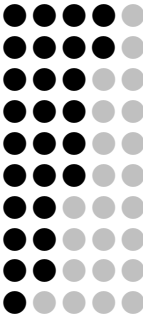
Bash Scripting

C/C++

JavaScript

Docker

SQL

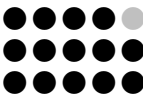


LANGUAGES

English

Ukrainian

Russian



- Worked in enterprise company as Data Engineer and assisted the DevOps.
- Developed the web scrapers for different web apps, like Soundcloud, Yelp, USPTO, and Zooplus.
- Managed the structure of the database to store the scraped data.
- Helped DevOps to configure and fix the service pipeline.

Tech list: GCP, PostgreSQL, BeautifulSoup, logging, requests, multithreading

Python Developer

UINTEI

(B2B from scratch machine learning solutions)

📅 Sep 2020 – Jul 2021 📍 Ukraine, Kyiv

- Worked on a startup with NLP and Computer Vision, but had many roles other than a Python Developer.
- Developed new functionality for the micro-services to work with new data flowing from another micro-service.
- Improved the previous codebase for two micro-services.
- Managed the packaging and deployment process of the services.
- Created a training set for the neural network and trained the model on it.

Tech list:

- *setuptools* to package the microservices
- *Docker*, *Docker Compose* to run the microservices
- *OpenCV* to process images, extract useful data from them and create a dataset for NN to learn from
- *DeepPavlov*, *Spacy* to get named entities from text
- *Celery*, *RabbitMQ*, *Redis* to manage tasks

PERSONAL PROJECTS

Python, Pure, Network Application

3rd project

- IEC 60870-5-104 protocol emulator fully developed by me. It listens for incoming packets. Based on info about sender and data in package response accordingly.

Tech list:

- *socket* as the main tool to run the server and test_client
- *ConfigParser* to get configuration for the server

source code: github.com/Mrestof/shiny-guacamole

Python, Telegram Chat Bot

2nd project

- Telegram chat bot developed by me and my friends. My main role was to mentor and coordinate my less experienced in programming friends. It is a general bot for fun, It can fetch wallpapers, react to messages, parody the chat members and many more.

Tech list:

- *python-telegram-bot* as its main framework to provide the bot interface
- *BeautifulSoup* and *requests* for scraping from web
- *markovify* for generating user's caricature messages
- *mcstatus* for querying the minecraft server for its status
- *Pillow* for image editing

source code: github.com/Mrestof/ipt-fb14-bot/tree/dev

Python, Kivy, Desktop App

1st project

- Desktop application fully developed by me. It allows user to download and install extensions for the application (FaceRig). Uses external API and scrapping techniques to work.

Tech list:

- *Kivy* as its main framework to display the user interface
- *BeautifulSoup* and *requests* for scraping from web
- *os*, *tempfile*, *shutil* and *ZipFile* to manage the downloaded archives
- *ConfigParser* to store user configs.

source code: github.com/Mrestof/FRDownloader

video demo: odysee.com/@mrestof:a/frdownloader-eng