

ALISA TSAMAEVA

Software engineer with 2 years of experience

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I'm currently living in Dublin, Ireland with a Student visa (type D). From August and up to mid-September I have an official permission to work full-time. I'm looking for a job opportunity that would be able to help me gain a long-term Work permit or a Critical Skills permit.

Work experience

Software Engineer

Vincentshop.ru

August 2023 - August 2025 (*Nov 2021 - Aug 2023 on a Print Technician position*)

- Built an internal web service with Django for managing over 5000 types of products
- Built a HTTP API with Flask and an internal service with Django providing access to data for corporate clients, including to Excel export generated with pandas library
- Continuously worked on data exchange processes between our services, online marketplaces and regulatory registries (GS1, Chestny Znak)
- Developed a desktop app for automatised batch photo processing

Print Technician

Kosoi Pereulok -- nomuggles.ru

May 2019 - October 2021

- Operated and maintained numerous machines involved in souvenir manufacturing

Open-source and personal projects

KanaChampion

React, TypeScript, Django, Docker

kana.tiger.place

- Built a service for Japanese learners to practice kana reading and vocabulary
- Designed a ReactJS-based front-end with various language exercises
- Developed a Django back-end for authorisation, daily streaks, and other interactions for registered users
- Deployed the service via Docker to a Hetzner VPS

VFS Explorer

Python, PyQT, GitHub Actions, Noitka

github.com/isatsam/vfs_explorer

- Developed a low footprint library for parsing and extracting proprietary asset pack format used in some video games
- Designed a simple, intuitive, and predicable QT-based graphical UI
- Used GitHub Actions and Noitka compiler to automatically produce executable files for Linux and Windows

- The project was later mentioned in Russian cybersecurity magazine xakep.ru

Other contributions

- **filetype.py** (github.com/h2non/filetype.py; Python) - added support for DDS files
- **LyingBard** (github.com/GroveDG/LyingBard; Python, Tkinter, Pyinstaller) - worked on improving public source code to make the application's binary builds reproducible
- **RatSaveEditor** (github.com/rathologic/RatSaveViewer; C#, WinForms) - improved application stability by implementing error handling, reducing the amount of fatal crashes and potential data loss
- **P2ModLoader** (github.com/SurDno/P2ModLoader; C#, WinForms) - implemented partial Linux compatibility via probing for Wine environment and adjusting various functions for Linux version of Steam

Skills

Programming languages

Python Go TypeScript HTML+CSS JavaScript SQL C# Bash Clang

Libraries, frameworks

React Django Flask Pandas http/net (Go) QT, PyQt WinForms

Tools, formats

Docker Git GitHub GitHub actions Linux systemd Nginx Pyinstaller / Noitka
YAML JSON XML REST API WebSocket Arduino Adobe Photoshop

Human languages

Proficient English (C2 level); native Russian; beginner Japanese

Certificates

Computer Science for Web Programming - with HarvardX (*pending final project review*)