Alexander Pushkov

alexander@notpushk.in

 notpushkin

Python · FastAPI · Pydantic · SQLAlchemy · Celery · Flask · TypeScript · React · Svelte · PostCSS · Docker · Git · CI/CD · UI/UX

I'm a versatile full-stack developer with a diverse background in various industries. I prioritize intuitive interfaces and thoughtful interactions in my development process and strive to ship software that users will love.

I'm currently looking for a remote job or relocation opportunities.

Work experience 8 years, 8 months

Lunni (Sep 2022 – Nov 2023) lunni.dev Founder ✨ Svelte FastAPI Docker

My latest project is Lunni, a Docker-based platform that simplifies app deployment and management on users' own servers.

- Implemented an alternative frontend for Portainer API, simplifying user interactions with it and adding quality of life features like service log permalinks or secret key generation for marketplace apps.

- Packaged 15+ apps for the builtin marketplace, allowing users to quickly launch common development, collaboration, and analytics tools in a few clicks.

- Used fastapi-codegen with custom templates to generate authenticated proxy endpoints for the Docker API. Reimplemented `docker stack deploy` in Python. Packaged it all into a replacement backend.

Currently working on the backend and mentoring a volunteer frontend developer.

MediaMath (Jan 2018 – Aug 2022) mediamath.com React Flask FastAPI AWS Serverless

- Led frontend development for a highly customizable "white label" advertising campaign management dashboard, easily adaptable for specific needs of particular clients (streamlined workflows, custom reports, custom tool integrations). Ensured UI stayed friendly and intuitive with increasing number of configurations. Helped onboard some high-profile clients (Disney, Walmart, Flipkart).

- Led backend development and implementation of a bulk campaign import solution. Implemented Excel sheet parsing and validation system based on Pydantic. Helped my teammates design (and then debug :-) the AWS pipeline for the automation part.

- Created internal template projects for Flask and FastAPI stacks. Implemented test coverage checking (with reports and GitHub PR statuses for better visibility) and linting.

Kipod (Jun 2017 – Dec 2017) Preact.js DRF

- Implemented frontend for an internal crowdsourcing tool, similar to Amazon mTurk.

- Worked closely with the designer and added little quality-of-life improvements, like animations or responsive layouts, to create a polished and engaging interface.

- Helped design an image markup editor component, suitable for various workflows like object tagging and video tracking. Implemented it from the ground up.

- Helped my teammates design the API and implement it using Django REST Framework.

Yapili (Nov 2016 – May 2017)   yapili.com   Flask asyncio Sanic

- Implemented a few CRUD endpoints for management and organization of the patients' data. Intergated authentication with Auth0.

- Designed API for a real-time chat server for communication between patients and physicians. Implemented it and collaborated with the team to integrate chat functionality into the app.

Lugati (Mar 2015 – Oct 2016)   React Django DRF Docker

- Launched an internal tool for automatic deployment of pre-defined Docker service stacks. Worked on turning that into a SaaS platform for the company's clients.

- Implemented a billing system for the company's pivotal product (depth-map video streaming SDK). Integrated Braintree payment gateway.

Education

Managing projects, people, and yourself (July 2021)   Nick Toverovskiy Practical course Remote

Learned essential project and time management skills. The most curious bit for me was that it's better to ship less features than you anticipated if that means that the product quality will be better.

Laboratory for Continuous Mathematical Education (2011–2015)   High school St. Petersburg

- Studied a variety of courses, including theory and practice with functional programming paradigms (lambda calculus, type theory, lots of Haskell practice).

- Developed a grocery delivery platform prototype with a small team for a student projects fair. (Stack: React with PhoneGap on the frontend, Python with Falcon on the backend.)

~~University~~

I don't have a university degree. It isn't usually required for a work visa though, so if I otherwise match your needs, let's discuss our options on the interview.

Open source contributions

FastAPI   Python asyncio #10353

Added support for passing context managers for dependency injection, allowing developers to reuse dependencies between the main application and one-off scripts (e.g. database migrations).

wemake-python-styleguide   Python Flake8 #2375

Added an option to display clickable shortlinks for linting errors. Implemented the link shortener that handles those shortlinks (pyflak.es).

Miscellaneous

Languages: Russian (native), English (fluent)

Relocation: I don't have authorization to work in the US or EU right now. I'm open to relocation opportunities, but I will need visa support in that case. Please note that I'm a Russian citizen.

Remote positions: I can invoice you from my Estonian company. You can pay using bank transfer (SEPA or ACH), or with a credit card if that's your thing.

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