



# Yuri Turchenkov

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Moving tech forward!

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## About me

## Who I am and what I'm looking for

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I'm a professional software developer focused on backend and data processing solutions built using Python!

Looking for new opportunities: a place I can apply all my skills, learn something new and bring great value to a project.

Excellent knowledge of python, strong Linux experience and a superb understanding of networking makes me a nice person

can start your project from scratch, join already started project, improve and optimize solutions.

Just give me a call if you are looking for an expert to design, analyze and implement your great idea!

## Primary skills

## What I'm really good in

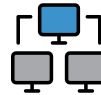
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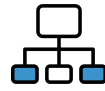
python



linux



networking



concurrency

## Experienced in

## Technologies short list

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python 3, asyncio, flask, postgresql, rabbitmq, django, docker/docker-compose, aiohttp, celery, mysql, tornado, mongoddb, redis, nginx, git, shell scripting, blockchain integration, and more!

## Some of work history

## Proven experience

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fetch.ai

A framework for autonomous economic agent (AEA) development.

**Worktime:** starting april 2020

**Tech stack:** python3.6-3.10, asyncio, golang

**Role:** senior python developer

**Details:** Improving overall runtime performance including performance benchmarks.

Refactor framework runtime core for better asyncio compatability.

Dependencies hell resolution (pipenv, poetry).

CI, autochecks, autotests configuration.

Thirdpart developers support.

Integration tests implementation.

Improving overall code coverage with tests.

Fixes for async code with blocking issues(mixes sync and async code).

Docker images building and deployment automation.  
Concurrency/multitasking execution fixes.  
Demo applications implementation.  
Blockchain/ledger interaction: work on consmpty library for cosmos based ledgers support.  
Work on p2p communication network based on libp2p written in golang.  
Networking part fixes (overflows and timeouts).  
A lot of bugfixes, stability improvements.



internal service (HR related)

**Worktime:** 4 months

**Tech stack:** python3.7, django2, django rest framework3, celery4, postgres10

**Role:** senior python developer

**Details:** Joined to ready established project. Brought a lot of improvements and new approaches to backend codebase and infrastructure Improvements and decrease code redundancy over the project during refactoring. Increased code stability. Great test coverage. Created test server deployment for frontend testing. Implemented additional migration system to apply data migrations individually.



streaming service

**Worktime:** 5 months

**Tech stack:** python3.7, flask, asyncio, rabbitmq, postgresql10, redis

**Role:** senior python developer

**Details:** Joined in a just created team of experts to migrate service backend from monolithic and outdated architecure to microservices. I solved task on architecture of the project, microservices intercommunication using json rest api, rabbitmq and postgre. Implemented efficient pubsub exchange on rabbitmq for websockets notifications across various services. Implemented 4 microservices. Helped a lot with devops settings for api gateway.



cryptocurrency exchange

**Worktime:** 1.5 years

**Tech stack:** python3.6, django2, celery4, postgresql10, rabbitmq, redis

**Role:** lead backend developer

**Details:** Started this project, designed architecture, integrations, db structure and more. Implemented full backend solution: rest api, order books processing, paygates integration, cryptocurrencies integrations. It supports: 3 fiat paygates, about 8 cryptocurrencies, internal rest api, integration api for partners, bots. Made this project alive and really proud of it!



social media archiving platform

**Worktime:** 1.5 years

**Tech stack:** python2.7, tornado, cassandra, mongodb2, rabbitmq

**Role:** senior python backend developer

**Details:** Social media data processing platform build on top of Tornado. Joined team right before the start development of the new version. The new solution was built using microservice architecture using rabbitmq and Cassandra as primary data storage. orked on various services, especially on interaction with social media networks and data normalization, Developed service for digital documents signing. rest api implemented as well.



online ads exchange and bidding platform

**Worktime:** 6 months

**Tech stack:** python2.7, django1, mysql5, vertica, celery, rabbitmq, redis, lua

**Role:** senior python backend developer

**Details:** Built on top of Django. I joined the team when service was already in production and my main role was enhancing administrator console functionality on backend side. I got strong OOP experience, including metaclasses and constructing types on the fly. Learned some concepts of ad exchange internals. Was acquired by CrossRider and unfortunately ads department was closed.



**RebelMouse**

social media aggregation startup

**Worktime:** 3 years

**Tech stack:** python2.7, django1, mysql4, celery, rabbitmq, redis

**Role:** senior python developer with js skills

**Details:** Rebelmouse.com built on top of Django. I joined in the beginning of development and actively worked to bring it to production. This is the first experience of work with a big global team. The main achievement - developed from scratch statistics functionality: gather, transform, store, visualize to users. Worked on social auth support for mobile application and REST backend endpoints.



best freelance platform

**Worktime:** 7 years

**Tech stack:** django1, flask, pyqt, mysql, mongodb and more

**Role:** freelancer for various projects

**Details:** In 7 years, I've been working on Upwork as python developer, I've worked with 22 clients and completed 27 projects. I worked as a team member or as independent standalone developer. Various tasks - great experience!

## Special interests

What I dig after hours

Asyncio MongoDB (nice storage), QT (best crossplatform GUI toolkit ever), SSH(protocol you always use) I have a pet project: RPC framework for microservice architecture, like gRPC, but without type definitions, peer-to-peer concept, secure, python3 oriented. Developed on top of asyncio and ssh protocol specifications. Got a working prototype with pyqt ui support, networking, simple storage and even full js support to write services right in js.

## Details

questions and answers

### What about Python?

Strong experience with famous python frameworks: Django, Tornado, Flask Asyncio, threads, multiprocessing as special interest. Some desktop experience: PyQt Python extending with ctypes and extensions in swig or cython

### What about Web?

Most of the projects I worked on are backend projects. I have strong knowledge how WWW and network work (browsers, servers, protocols, and so on) Familiar with JS, but I'm a python developer, so backend is my passion!

### What about Linux?

I'm everyday Linux user for more than 12 years, so I really know what Linux is. Strong experience in configuring servers for various usages, scripting, automation. Linux is like my second home)

### **SQL experience?**

Worked mostly with Postgres with django orm, sqlalchemy. Have worked with complicated joins, nested queries, partitioning.

### **NOSQL skills?**

MongoDB, really love it. Worked a lot with Redis.

### **Languages I speak**

Russian, English (IELTS overall score: 6)

### **Remote? Relocation?**

Will check any variant in details! UK/EU/US work permit assistance is required!

### **Mentorship?**

I was asked to run personal classes for C++ developer about python. Main topics were: python and limitation for CPU bound tasks, parallel programming, MPI, python speedup with c/c++ modules. Classes were 3-4 hours long for 5 days in a row. At the end of the course there was a practical project with the appliance of all technologies studied: build a simple CPU bound python app, then distributed it with MPI and speedup with swig/ctypes/cython. Developer studied everything and confirmed knowledge with a finished test task.

### **Any management experience?**

I worked as a project manager on Digital Signage project. I created a team of 3 developers I managed. I communicated the customer directly. The project was frozen after 2 months of development, cause investment issues. The first presentation of the prototype (mobile app, admin console) was successful and was approved by customer and investor, but investor decided to stop funding the project by own reason and customer did not find another funding source. The project was started well and I regret it was not completed.

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Contact me now! [solarw.mail@gmail.com](mailto:solarw.mail@gmail.com)  
Set a meeting with me using [calendy!](#)

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Updated: 07.09.2022. Check the latest version on <http://solarw.github.io>

*Generated using python!*