

# Roman Zaiev

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## 9+ Years Experience Full Stack Developer Python + JS/TS

Over the past years I have faced unique challenges, huge number of technologies and my experience can be of use to your business. Systematisation, synthesis and interdisciplinary work is my strength.

I know how a product goes through ~~from denial to acceptance~~ from requirements to release. Both as a regular developer and as a tech leader.

Usually I'm working with asynchronous Python but also enjoy modern frontend, have a strong development experience with React ecosystem.

Prefer CLI tools like vim, tmux, zsh, fzf and other three-four letter words in my daily work. Ideally, this should convince you of my passion for efficiency and minimalism.

The author of the best Russian-language IT channel for Telegram (according to the author) — [Tipa Pro IT](#), it helps me to keep up with the industry. I'm keen on my job. As well as in graphic design and UI/UX.

### Pet Projects

[Krolib](#): magic library and DSL to handle complex schedules  
[Flask-Kit](#): backbone for Flask-based projects with flavor of Django  
[Snaql](#): raw \*QL queries from Python without pain  
*...and others*

### Talks

[API-centric Web Development with Tornado](#) (2015)  
[Search? Sphinx!](#) (2013)

### Languages

English (C1), Russian (C2), Ukrainian (C2)

Python (primary), JavaScript & TypeScript.  
Familiar with Rust, Go and Clojure

## Experience

Dec 2019 — Present **Revolut** (London, GB)

*Software Engineer*

Developing services for the company's backoffice. Designed and implemented solution for the Modeling Liquidity Risk project. Successfully combining the roles of full-stack developer and product owner.

- Python 3, FastAPI, PostgreSQL, Exasol, K8S, Terraform etc.
- React, TypeScript

Feb 2017 — Aug 2019 **Nextiva** (Kyiv, Ukraine // Scottsdale, USA)

*Software Engineer*

Involved into the [Rules Engine](#) development.

Worked on initial [FSM](#) implementation for the Rules traversal, Lisp-like DSL to describe Rules conditions, handy library to handle complex schedules for so-called time-based rules and internal SaaS on top of it (was published as the first open source project of the company — Kronos), etc.

Actively participated in the life of the company and achieved the title of Rockstar Developer (yes, I'm still proud of it).

- Python 3, asyncio, aiohttp, RabbitMQ, JSON:API, Protobuf, gRPC, PostgreSQL, K8S, etc.
- Loads of bespoke stuff

Nov 2015 — Nov 2016 **B2B Soft** (Kyiv, Ukraine // New York, USA)

*Software Engineer, Tech Lead*

Developed the brand new medical platform. Designed and successfully implemented service-oriented architecture, with stepwise Django monolith decomposition, rolling releases, etc. From A to Z.

- Python 3, Tornado, JSON RPC
- ES6, React/Redux, Webpack (SPA)
- Sphinx Search (live, geo, delta indexes flow)
- Real-time billing and stats (Apache Kafka, MongoDB)
- Third-party APIs integration (Authorize.Net, Google, Facebook, Mandrill, MaxMind)
- Ansible (IaC), AWS (EC2, RDS, S3, Route53)

Mar 2015 — Nov 2015 **SoftServe** (Kyiv & Lviv, Ukraine // San Jose, USA)

*Software Engineer*

Was involved in the development of the telemetry aggregation solution for Cisco: Cloud Services, BigData extension for OpenStack Horizon.

- Python 2/3, Logstash, MongoDB, RabbitMQ, REST, Puppet
- OpenStack, Flask, Tornado, Ansible
- ES5, Backbone.js, Marionette.js

Feb 2014 — Mar 2015    **Kasta.ua** (Kyiv, Ukraine)  
*Software Engineer, Head of Platform Development*

Designed and developed the brand new e-commerce platform.

- Python 3, Tornado, Elasticsearch, ZeroMQ, ZeroC, Protobuf, PostgreSQL
- ES5, Backbone.js, Marionette.js

Aug 2013 — Jan 2014    **GetGoing.com** (Kyiv, Ukraine // San Francisco, USA)  
*Software Engineer*

Developed seat preview and seat selection for the most popular US airlines (backend and frontend, Amadeus GDS integration).

Mid-office, statistical data search and aggregation, [PNR](#) Management SPA.

- Python 2/3, Django, PostgreSQL, Celery, Elasticsearch
- ES5, Backbone.js, Marionette.js

Nov 2012 — Aug 2013    **Prom.ua** (Kyiv, Ukraine)  
*Backend Developer*

Maintained company's internal services, CRM.

Better test coverage, legacy code refactoring, data processing and third-party APIs integration.

- Python 2, Pylons, Mako, SQLAlchemy, Celery, Mercurial

May 2011 — Nov 2012    **Future Colors** (Moscow, Russia)  
*Backend Developer*

Took part in the development of the wide range of studio websites: TNK series (TNK Carbon, regional site), [FutureToday](#) (job offers for Russian students), [Belonika](#) (Russian top blogger culinary portal), [RAF](#) (Russian Auto Fellowship).

- Python 2, Django, Celery, Sphinx Search
- Some frontend tasks with jQuery and Backbone.js