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

Fab 2017 — Aug 2019 **Nextiva** (Kyiv, Ukraine // Scottsdale, USA)
Software Engineer

Was actively 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

Fab 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