

# Roman Zaiev

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## 8+ Years Experience Passionate Software Engineer

Over the past years, I have worked on many different projects, from simple blogs to fault-tolerant event-driven systems. I have faced unique challenges, huge number of technologies and my experience can be of use to your business. Systematization, synthesis and interdisciplinary work is my strength.

There is a positive experience of forming a development team based on the Valve model. I know how to run the product through all stages, from denial to acceptance, from requirements to release. Both as a regular developer and as a team/tech leader.

Mostly I work with asynchronous Python backend but also enjoy working with frontend, have a strong development experience with React/Redux.

I love to use 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 in Telegram (according to the author) — [Tipa Pro IT](#). This helps me to be aware of the entire industry. Have some relatively popular projects on GitHub and new ones are always coming up. I'm really into technology and also seriously interested in graphic design, UI/UX, philosophy and psychoanalysis.

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), French (A1), German (A1) Python (C2), JavaScript (B2), Rust (B1), Go (A2), Clojure (A2), OCaml (A1)

## Previous Experience

Feb 2017 — Aug 2019

**Nextiva** (Kyiv, Ukraine // Scottsdale, USA)

*Software Engineer*

Was involved in the development of [Rules Engine](#). And a lot of work has been done: initial [FSM](#) implementation for the Rule traversal, Lisp-like DSL to describe Rule conditions, magic 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), etc.

Was actively involved in the life of the company and even received the title of Rockstar Developer.

- Python 3, asyncio, aiohttp, RabbitMQ, JSON:API, Protobuf, gRPC, PostgreSQL, K8S, etc.
- Tons of self-made stuff

Nov 2015 — Nov 2016

**B2B Soft** (Kyiv, Ukraine // New York, USA)

*Software Engineer, Tech Lead*

Developed the brand new medical platform.

Introduced and successfully implemented service-oriented architecture, full redesign, stepwise Django monolith decomposition, rolling releases, etc. From A to Z.

Built efficient distributed team.

- 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 (infrastructure automation), AWS (EC2, RDS, S3, Route53)
- Unique solution for Whitelabel domains (partner network sites)

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.

Developed 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 **ModnaKasta** (Kyiv, Ukraine)  
*Software Engineer, Head of Platform Development*  
 Developed a brand new e-commerce platform.
- Python 3, Tornado, Elasticsearch, ZeroMQ, Protobuf, PostgreSQL
  - ES5, Backbone.js, Marionette.js, Websockets
- 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*  
 Developed the company's internal services, CRM.  
 Was working on test coverage, legacy code refactoring, data processing and third-party APIs integration.
- Python 2, Pylons, Mako, SQLAlchemy, Celery, Solr, Mercurial
- May 2011 — Nov 2012 **Future Colors** (Moscow, Russia)  
*Backend Developer*  
 Was involved 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