

## Contact

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## Top Skills

Python

JavaScript

Erlang

## Languages

English (Professional Working)

# Kirill Pinchuk

Lead Python Developer

## Experience

### Tipsi

Solutions Architect

November 2015 - September 2018 (2 years 11 months)

There are three main branches of my responsibilities here

Technical management - establish and support development processes (e2e testing automation, CI, review and release processes), architecture design, code review, switching to react and react-native, team building and education, open sourcing some staff here <https://github.com/tipsi/>

Backend development - we're using django-rest-framework, asyncio, postgresql, rabbitmq and some other fancy things like docker-based microservices. We've switched to 'test everything' approach and this helped us to make quite big migrations, like mysql -> postgresql, python2 -> python3 and helps us with further updates.

Infrastructure support and development - we're relying on aws for our basic infrastructure, initial pre-setup and management with ansible, monitoring with prometheus and grafana, ELK for log collection, gitlab-ce as internal git server and for CI, docker for everything.

There are some tricky things here, like testing in virtualized osx environment or usage of spot-instances.

### Wargaming.net

5 years 8 months

Solutions Architect

May 2013 - November 2015 (2 years 7 months)

Belarus

Web Department, R&D group. There were couple of project I've done:

WG Wallet: Service that provides sharing for some resources between different games on fly (multimaster via crtld). Role: core developer (design, implementation, etc)

IGR worker: Service written in erlang for integration with internet game rooms (aimed for asia region). Role: core developer

Backend API: Internal API proxy written in Erlang (hot code upgrades, cowboy, etc). Implementation of map-reduce with timeout aimed to ease configuration and requests parallelization.

### Lead Software Developer

April 2010 - May 2013 (3 years 2 months)

Highload, fault-tolerant systems design and development (Python/Twisted, RabbitMQ, Erlang, Javascript and etc.).

Deployment and monitoring automation (puppet, fabric, zabbix, etc).

Troubleshooting, real time analysis and fixing on loaded production environments.

There were several projects I'd been responsible for:

Web Integration: Simple synchronous API that provides integration with game servers. Role: core developer (implementation from scratch, design, maintenance)

Payment System: Service for integration payment providers with internal game services (I believe first \$500M went through it). Role: core developer for first version, implementation, design, maintenance

Action Applier: Service for charge users with various game stuff. My role: core developer, implementation from scratch, design and etc.

### XIM

#### Python Developer

May 2009 - April 2010 (1 year)

I was a part of the outsourcing team for Slide (slide.com)

Python and JavaScript developer of outsourcing team. Entertainment applications for social networks such as MySpace, OpenSocial, and Facebook.

Stack: python/greenlets, jquery, Facebook API, a lot of internal stuff

### Zalp

#### Core Python Developer

January 2009 - December 2009 (1 year)

<http://www.zalp.eu> - enclosed startup project related to exchange predictions.

Role: a core developer.

Stack: python, django, twisted, sqlalchemy, rabbitmq, firefox plugins, R, postgresql, slony.

## SPN digital

Python Developer

September 2008 - May 2009 (9 months)

<http://spndigital.com> and <http://mobi.spn.by>

Different kinds of sms services (from scratch or +Twisted) and web interfaces for them (Django + AJAX based on jQuery).

The main difficulty was building stress-beared persistent daemons.

Stack: PostgreSQL, MySQL, Firebird, SVN, mercurial

## Belhard

Python Developer

October 2007 - September 2008 (1 year)

Kyriba.com project.

I was a part of sub-project about bank files translation from one format to another. The main difficulty was s the painful refactoring and reverse engineering.

Stack: python2, zope2, some php, and God knows what other old stuff was here.

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## Education

Belarussian State University

bsp, chemistry, farmaceutical chemistry · (2004 - 2009)