



# Iakovlev Serghei, Software Engineer

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## DETAILS

Kyiv  
Ukraine

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## PROFILE

High efficient and self-motivated Full Stack Software Engineer who enjoys finding elegant solutions to non-trivial problems. Focused on the goal and driven by visual sophistication and laser-sharp precision, I take pride in every finished project, and never stop learning along the way.

Specialties: Solving IT problems and getting things done, quickly and efficiently. I can view the larger picture, analyze the situation, and devise and implement a strategy to achieve the desired outcome.

I am proficient in C/C++, Python, PHP, SQL, Linux, Docker, Nginx. My first commercial project was in 1999 using Delphi. I'm interested in developing big projects using Python now.

## EMPLOYMENT HISTORY

(the most significant companies in my life)

### R&D Team Lead, Tech Manager, airSlate

Aug 2021 — Dec 2021, Kyiv

Researching the impact of services design on user experience and product performance. Development of load tests using Scala and Gatling. Setting up periodic runs of load tests using Jenkins, monitoring and analytics of product performance using InfluxDB, Prometheus and Grafana. Development of experimental CI/CD tools, research in the field of new technologies. Public API design. Tech management. Reports and meetups.

### Software Architect, airSlate

Jan 2020 — Aug 2021, Kyiv

Design of new features and internal products on field of workflow automation. Product performance improvements, new features review and approvals. I have been management many tech leads. Reports and meetups.

### Senior Software Engineer, PDFfiller

Nov 2015 — Jan 2020, Kyiv

Support PDFfiller.com, create new features and internal products. Mainly it was backend: C++, C, PHP, MySQL, DynamoDB, Elasticsearch, Rabbit MQ. Product Dockerization, build service discovery using Consul, working with AWS stack, CI/CD design and implementation. Code review, interviews of new employees. Design and implementation monitoring and alerting tools based on ELK stack, InfluxDB, Slack and Grafana. Implementing internal Distributed File System (WebDAV like), implementing mass mailing service with analytics and statistics. Reports and meetups.

### Senior Software Engineer, Genesis

Sep 2014 — Nov 2015, Kyiv

Implementing mass mailing service with analytics and statistics, create new features and internal products. Reports and meetups. Used stack: PHP, C, XSLT, MySQL.

### Full Stack Software Engineer, Self-Employment

Feb 2009 — Aug 2014, WWW

I have done freelance work and been self-employed for 5 years here. I have completed projects for

## LINKS

[GitHub](#)  
[@sergeyklay](#)

[Blog](#)  
[serghei.blog \(Russian\)](#)

## SKILLS

Python (Django, Flask)

PHP (Laravel, Phalcon)

Elisp, Haskell

Kotlin, Go, C, C++

SQL, Redis, Elasticsearch

XML, HTML5, CSS

Linux, macOS, Windows

ELK, Jaeger, Grafana

AWS, ECS, S3

Docker, Kubernetes

Celery, SQS, Rabbit MQ

Leadership

Problem Solving

Team Management

Expectations Management

## LANGUAGES

Russian

English

Ukrainian

the national association of power engineers of Russia, various businesses, e-shops and freight carriers. Most often it was a full stack. My activity was not only in software development. For example, I have been a moderator of the Drupal.ru community for a whole year. Used stack was: Linux, Apache, MySQL, PHP, JS. I'm familiar with almost all PHP CMS, CMF and frameworks.

## HOBBIES

Compilers Design,  
Data Science, Bike

## Software Engineer, Art. Lebedev Studio

Jan 2008 — Dec 2008, Kyiv

Development new features for existing clients of the company. Used stack: PHP, XML, MySQL.

## I'M A MAINTAINER

### django-environ

2021 — Now

**Description:** A Python package that allows you to use Twelve-factor methodology to configure your Django application with environment variables.

**Languages:** Python

**Url:** <https://github.com/joke2k/django-environ>

### python-airslate

2021 — Now

**Description:** A Python client library has been designed to quickly and easily implement the airSlate REST API.

**Languages:** Python

**Url:** <https://github.com/airslate-oss/python-airslate>

### gstore

2021 — Now

**Description:** A simple tool to synchronize GitHub repositories of your organizations.

**Languages:** Python

**Url:** <https://github.com/sergeyklay/gstore>

### jaeger-client-php

2019 — Now

**Description:** A client-side library that can be used to instrument PHP apps for distributed trace collection, and to send those traces to Jaeger.

**Languages:** Apache Thrift, PHP

**Url:** <https://github.com/jonahgeorge/jaeger-client-php>

### bnf-mode

2019 — Now

**Description:** A GNU Emacs major mode for editing BNF grammars.

**Languages:** ELisp

**Url:** <https://github.com/sergeyklay/bnf-mode>

### esup

2020 — Now

**Description:** A GNU Emacs Start Up Profiler.

**Languages:** ELisp

**Url:** <https://github.com/jschaf/esup>

### pcloud-console-client

2021 — Now

**Description:** A simple console client for pCloud cloud storage.

**Languages:** C++

**Url:** <https://github.com/sergeyklay/pcloud-console-client>

## I'M A FORMER MAINTAINER

(the most interested project in my life, in fact there were 140+ of them)

### cphalcon

2015 — 2020

**Description:** An open source web framework delivered as a C extension for the PHP language providing high performance and lower resource consumption.

**Languages:** C, Zephir, PHP

**Url:** <https://github.com/phalcon/cphalcon>

### zephir

2016 — 2020

**Description:** A high level programming language that eases the creation and maintainability of extensions for PHP.

**Languages:** C, Zephir, PHP

**Url:** <https://github.com/zephir-lang/zephir>

### idea-plugin

2019 — 2020

**Description:** IntelliJ plugin for editing Zephir code. Provides syntax definition, autocompletion and syntax check support.

**Languages:** Java, Kotlin

**Url:** <https://github.com/zephir-lang/idea-plugin>

### Codeception

2019 — 2020

**Description:** Full-stack testing PHP framework.

**Languages:** PHP

**Url:** <https://github.com/Codeception/Codeception>

### Qless PHP

2019 — 2020

**Description:** PHP Bindings for Qless.

**Languages:** Lua, PHP

**Url:** <https://github.com/pdfiller/qless-php>

## BOOKS

### Phalcon Cookbook

2016

**Description:** Phalcon Framework Cookbook.

**Publisher:** Packt Publishing

**Url:** <https://www.amazon.com/dp/B0iMXDECCR>

## EDUCATION

**Russian New University (RosNOU), Bachelors degree, Applied informatics in economics: Corporate information systems.**

Sep 2004 — Jun 2008, Moscow

## COURSES

**Python Core, JetBrains, JetBrains Academy**

Sep 2021 — Now

**Kotlin Developer, JetBrains, JetBrains Academy**

Sep 2020 — Oct 2020

**Haskell, Computer Science Center, Stepic**

Dec 2018 — Feb 2019

**C++ Yellow Belt, Yandex, Coursera**

May 2017 — Jun 2017

**C++ White Belt, Yandex, Coursera**

Mar 2017 — May 2017