



Serghei Iakovlev

SOFTWARE ARCHITECT · TECHNICAL MANAGER

Kyiv, Ukraine

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"Be the change that you want to see in the world."

Summary

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 2004 using Delphi. I'm interested in developing big projects using Python now.

Education

Russian New University (RosNOU)

B.S. IN APPLIED INFORMATICS IN ECONOMICS

Moscow, Russia

Sep. 2004 - Jun. 2008

Courses & Certifications

Jetbrains

PYTHON CORE

Jetbrains Academy

Sep. 2021 - PRESENT

Jetbrains

KOTLIN DEVELOPER

Jetbrains Academy

Sep. 2020 - Oct. 2020

Computer Science Center

HASKELL

Stepic

Dec. 2018 - Feb. 2019

Yandex

C++ YELLOW BELT

Coursera

May. 2017 - Jun. 2017

Yandex

C++ WHITE BELT

Coursera

Mar. 2017 - May. 2017

Skills & Endorsements

Team Work

Leadership, Problem Solving, Team Management, Expectations Management

DevOps

AWS, Docker, Kubernetes, Vagrant, Packer, Jenkins, TeamCity, GitHub Actions

Back-end

Django, Flask, Symfony, Laravel, Phalcon, Elasticsearch, REST API

Front-end

HTML5, CSS, SASS

APM

Newrelic, Grafana, Kibana, Jaeger

Databases

MySQL, SQLite, Redis

Programming

Python, PHP, C/C++, Go, Kotlin, Haskell, SQL, XML, Elisp, \LaTeX

Languages

Russian, English, Ukrainian

Operating Systems

Linux, macOS, Windows

Development Tools

CMake, IntelliJ IDEA, Emacs, Vim, Make, gcc, gdb, git, zsh, bash

Employment History

airSlate, Inc.

R&D TEAM LEAD, TECH MANAGER

Kyiv, Ukraine
Aug. 2021 - Dec. 2021

- Researching the impact of services design on user experience and product performance.
- Development load tests using Scala, Gatling, InfluxDB, Prometheus and Grafana.
- Delegating tasks and conducting performance reviews.
- Coordinating with other managers.
- Development of experimental CI/CD tools, research in the field of new technologies.
- Public API design.
- R&D Team leadership.
- Internal reports and meetups.

airSlate, Inc.

SOFTWARE ARCHITECT

Kyiv, Ukraine
Jan. 2020 - Aug. 2021

- Design of new features and internal products on field of workflow automation.
- New features review and approvals.
- Product performance improvements, new features review and approvals.
- Built and deployed overall service infrastructure utilizing Docker container, GitHub Actions, and several AWS stack(Including EC2, ECS, Route 53, S3, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- I have been management many tech leads.
- Internal reports and meetups.

Zephir

CO-OWNER

Washington, United States

Jan. 2016 - Aug. 2020

- Core Team Member, Contributor, Maintainer, Co-Owner, Core Developer.
- My contributions included performance optimization and compilation speed, chasing bugs both in the compiler and kernel, unit testing, implementing new features in the language, maintaining projects, code review, releasing and more.

Phalcon

BOARD MEMBER

Washington, United States

Jan. 2015 - Aug. 2020

- Core Team Member, Contributor, Maintainer, Co-Author, Core Developer.
- My contributions included performance optimization, security and stability fixes, unit tests, packaging for Ubuntu and Windows, CI/CD, translations, maintaining projects and more.

PDFfiller, Inc.

SENIOR SOFTWARE ENGINEER

Kyiv, Ukraine
Now. 2015 - Jan. 2020

- Support PDFfiller.com and create new features and internal products.
- Implemented backend services and tools using C++, C, PHP, MySQL, DynamoDB, Elasticsearch, RabbitMQ.
- Product Dockerization, build service discovery using Consul, working with AWS stack, CI/CD design and implementation.
- Code review and interviews of new employees.
- Design and implementation monitoring and alerting tools based on ELK stack, InfluxDB, Slack and Grafana.
- Implemented internal Distributed File System (WebDAV like).
- Implemented a mass mailing service with analytics and statistics (Mailgun like).
- Implemented internal Chaos Engineering service to test the company's products and services.
- Internal reports and meetups.

Genesis

SENIOR SOFTWARE ENGINEER

Kyiv, Ukraine
Sep. 2014 - Nov. 2015

- Implemented a mass mailing service with analytics and statistics (Mailgun like).
- Implemented backend services and tools using PHP, C, XLST, MySQL (Percona).
- Internal reports and meetups.

NetGame

SOFTWARE ENGINEER

Kyiv, Ukraine
Sep. 2013 - Aug. 2014

- Development and support of gambling services.
- Implemented backend services and tools using Linux, Nginx, PHP, Yii Framework, PostgreSQL, JavaScript and Bazaar.

Self-Employment

FULL STACK SOFTWARE ENGINEER

WWW
Feb. 2009 - Aug. 2014

- I have done freelance work and been self-employed for 5 years here.
- Implemented projects for the National Association of Power Engineers of Russia, various businesses, E-Shops and freight carriers.
- Moderation Drupal Framework forum community and help newbies.
- Used stack: Linux, Apache, MySQL, PHP and JavaScript.

Art. Lebedev Studio

SOFTWARE ENGINEER

Moscow, Russia
Jan. 2008 - Dec. 2008

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

Blog.ru

SOFTWARE ENGINEER

- Development new features for the blogging service and social networks.
- Used stack: Linux, Apache, PHP, JS, MySQL.

Moscow, Russia

Dec. 2007 - May 2008

Gamma Group

SOFTWARE ENGINEER

- Support corporate websites and development new features.
- Used stack: Linux, Apache, PHP, JS, MySQL.

Moscow, Russia

Sep. 2006 - Oct. 2007

Arsilor

JUNIOR WEB DEVELOPER

- E-shop development, maintenance of the company's websites.
- Used stack: Linux, Apache, PHP, Joomla/Mambo CMS, PHP Nuke, JS, MySQL.

Moscow, Russia

Feb. 2005 - May 2006

Tsar's courtyard

SOFTWARE ENGINEER

- Implemented solutions for automating accounting and management accounting.
- Used stack: Windows, Delphi, FoxPro, MySQL.

Moscow, Russia

Jan. 2004 - Dec 2004

Extracurricular Activity

django-environ

MAINTAINER

2021 - PRESENT

- **Languages:** Python
- **Description:** A Python package that allows you to use Twelve-factor methodology to configure your Django application with environment variables.
- **URL:** <https://github.com/joke2k/django-environ>

python-airslate

CREATOR, MAINTAINER

2021 - PRESENT

- **Languages:** Python
- **Description:** A Python client library has been designed to quickly and easily implement the airSlate REST API.
- **URL:** <https://github.com/airslate-oss/python-airslate>

gstore

CREATOR, MAINTAINER

2020 - PRESENT

- **Languages:** Python
- **Description:** A simple tool to synchronize GitHub repositories of your organizations.
- **URL:** <https://github.com/sergeyklay/gstore>

esup

MAINTAINER

2020 - PRESENT

- **Languages:** ELisp
- **Description:** A GNU Emacs Start Up Profiler.
- **URL:** <https://github.com/jschaf/esup>

bnf-mode

CREATOR, MAINTAINER

2019 - PRESENT

- **Languages:** ELisp
- **Description:** A GNU Emacs major mode for editing BNF grammars.
- **URL:** <https://github.com/sergeyklay/bnf-mode>

jaeger-client-php

MAINTAINER

2018 - PRESENT

- **Languages:** Apache Thrift, PHP
- **Description:** A client-side library that can be used to instrument PHP apps for distributed trace collection, and to send those traces to Jaeger.
- **URL:** <https://github.com/jonahgeorge/jaeger-client-php>

Qless PHP

CREATOR, MAINTAINER

2018 - PRESENT

- **Languages:** Lua, PHP
- **Description:** PHP Bindings for Qless.
- **URL:** <https://github.com/pdfiller/qless-php>

idea-plugin

MAINTAINER

2015 - 2020

- **Languages:** Java, Kotlin
- **Description:** IntelliJ plugin for editing Zephir code. Provides syntax definition, autocompletion and syntax check support.
- **URL:** <https://github.com/zephir-lang/idea-plugin>

Codeception

TEAM MEMBER, MAINTAINER

2015 - PRESENT

- **Languages:** PHP
- **Description:** A full-stack testing PHP framework.
- **URL:** <https://github.com/Codeception/Codeception>

Zephir

MAINTAINER

2016 - 2020

- **Languages:** C, Zephir, PHP, Zend Engine
- **Description:** A high level programming language that eases the creation and maintainability of extensions for PHP.
- **URL:** <https://github.com/zephir-lang/zephir>

cphalcon

CORE TEAM MEMBER

2015 - 2020

- **Languages:** C, Zephir, PHP, Zend Engine
- **Description:** An open source web framework delivered as a C extension for the PHP language providing high performance and lower resource consumption.
- **URL:** <https://github.com/phalcon/cphalcon>

Publications

Phalcon Cookbook.

<https://www.amazon.com/dp/B01MXDECCR>

CO-AUTHOR

2016

- Phalcon Framework Cookbook.