



Serghei Iakovlev

SOFTWARE ARCHITECT · TECHNICAL MANAGER

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

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.

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, LESS, SASS
APM	Newrelic, Grafana, Kibana, Jaeger
Databases	MySQL, SQLite, Redis
Programming Languages	Python, PHP, C/C++, Go, Kotlin, Haskell, SQL, XML, Emacs, LaTeX
	Russian, English, Ukrainian

Employment History

airSlate

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 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.
- Product public API design.
- Product technical management.
- R&D Team leadership.
- Internal reports and meetups.

airSlate

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.
- Built and deployed overall service infrastructure utilizing Docker container, GitHub Actions, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- I have been management many tech leads.
- Internal reports and meetups.

PDFfiller

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 Chanos 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.
- Internal reports and meetups.

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: PHP, XML, MySQL.

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

2021 - PRESENT

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

esup

CREATOR, MAINTAINER

2020 - PRESENT

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

jaeger-client-php

MAINTAINER

2019 - 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>

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>

idea-plugin

MAINTAINER

2019 - 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

CORE TEAM MEMBER

2019 - 2020

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

Qless PHP

CREATOR, MAINTAINER

2019 - 2020

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

zephir

MAINTAINER

2016 - 2020

- **Languages:** C, Zephir, PHP
- **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
- **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.