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)   *Moscow, Russia*

B.S. in Applied Informatics in Economics   *Sep. 2004 - Jun. 2008*

Cources & Certifications

Jetbrains   *Jetbrains Academy*

Python Core   *Sep. 2021 - PRESENT*

Jetbrains   *Jetbrains Academy*

Kotlin Developer   *Sep. 2020 - Oct. 2020*

Computer Science Center   *Stepic*

Haskell   *Dec. 2018 - Feb. 2019*

Yandex   *Coursera*

C++ Yellow Belt   *May. 2017 - Jun. 2017*

Yandex   *Coursera*

C++ White Belt   *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	Python, PHP, C/C++, Go, Kotlin, Haskell, SQL, XML, Elisp, LaTeX
Languages	Russian, English, Ukrainian

Employment History

airSlate
Kyiv, Ukraine

R&D Team Lead, Tech Manager — *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
Kyiv, Ukraine

Software Architect — *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
Kyiv, Ukraine

Senior Software Engineer — *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
Kyiv, Ukraine

Senior Software Engineer — *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
WWW

Full Stack Software Engineer — *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
Moscow, Russia

Software Engineer — *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.