Serghei Iakovlev

DIRECTOR OF ENGINEERING

Wrocław, Poland

☎ +48 571 943 367 | ✉ egrep@protonmail.ch | ⚞ May 16th, 1983 | ⌂ serghei.blog | ⌨ sergeyklay | ⓛ egrep

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

Summary

I'm a software engineer with 20 years of experience in IT who enjoys finding elegant solutions to non-trivial problems. I'm 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. I work as the head of development with 20 teams of 90+ engineers to develop airSlate - better nocode workflow automation platform.

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, 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.

Kyiv, Ukraine

DIRECTOR OF DEVELOPMENT

Dec. 2021 - Present

- Growing the engineering teams and teams productivity.
- Building a development course.
- Building a world-class engineering teams.
- Accelerating teams speed.
- Working on SDLC area.
- Improving product Quality Assurance.
- Product performance & speed.
- Ensuring safety.

airSlate, Inc.

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 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.

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.
- 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

Washington, United States

CO-OWNER

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

Washington, United States

BOARD MEMBER

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.

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 Chaos 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 (Percona).
- Internal reports and meetups.

NetGame

Kyiv, Ukraine

SOFTWARE ENGINEER

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 *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: Windows, PHP, XML, XLST, MySQL.

Blog.ru *Moscow, Russia*

SOFTWARE ENGINEER *Dec. 2007 - May 2008*

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

Gamma Group *Moscow, Russia*

SOFTWARE ENGINEER *Sep. 2006 - Oct. 2007*

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

Arsilor *Moscow, Russia*

JUNIOR WEB DEVELOPER *Feb. 2005 - May 2006*

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

Tsar's courtyard *Moscow, Russia*

SOFTWARE ENGINEER *Jan. 2004 - Dec 2004*

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