Iakovlev Serghei, Software Engineer

KYIV, UKRAINE · egrep@protonmail.ch

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, XLST, MySQL.

Software Engineer, Art. Lebedev Studio

Jan 2008 — Dec 2008, Kyiv

DETAILS

Kyiv
Ukraine

+380 (68) 611-73-20

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

Urkrainian

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/pdffiller/qless-php

BOOKS

Phalcon Cookbook

2016

Description: Phalcon Framework Cookbook.
Publisher: Packt Publishing
Url: https://www.amazon.com/dp/B01MXDECCR

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