S. Khalymon

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Career Summary

I have about 5+ years of commercial Python development experience. My strong sides are analytical, problem-solving and communication skills.

Commercial Projects

Applitools
Mar 2018 - present

https://github.com/applitools/eyes.selenium.python
https://github.com/applitools/eyes.sdk.python
AI powered end-to-end visual testing & monitoring.
Responsibilities:
1. supporting and improving existing SDK, creating new SDK;
2. writing tests and automated test framework;
3. reading of Java, Ruby, C and JS SDK's;
4. verification of errors from customers;
5. architecture creation and implementation;
6. debugging and fixing platform specific bugs;
7. design of client API and code refactoring.
Python 2.7/Python 3.7, multithreading, multiprocessing, pytest, mock, invoke, namespaces packages, selenium, attrs, Pillow, transitions, appium, travis-ci, android and ios emulators, tinycss2

Fundedbyme
Jun 2016 - Mar 2018

https://fundedbyme.com
Crowdfunding for intelligent growth.
Responsibilities:
1. clarification of the specification;
2. feature leading;
3. mentoring;
4. code review;
5. support existing and write new functionality.
Python 2.7, Django, PostgreSQL, AWS, Ansible, Fabric, nosetests, Jira, Intercom API, Sendgrid, REST

Khai & Kharkiv-vodokanal
Feb 2016 - Jun 2016

Designing of the client-server service for monitoring and control of inspectors for entrepreneur consumers.
Responsibilities:
1. build the development team;
2. write specification;
3. draw use cases diagram;
4. decompose user stories to tasks;
5. communication with customer;
6. design server-mobile communication protocol.
Asana, UML, JSON-RPC, Postgresql, PHP, Java(Android)

Ambiencedata http://ambiencedata.com

May 2014 -   Ambience Data air monitoring system provides quick access to accurate data about
Nov 2016   the air quality within a local area.

Responsibilities:

1. clarification of the specification;
2. design UI/UX;
3. design and develop DB structure;
4. develop scraper for parsing and storing data from several weather resources;
5. develop REST API for geo data;
6. develop word map with bunch of layers which contains information about weather and pollutants;
7. develop API for consuming and display charts from our devices.

Python 2.7, Django, PostgreSQL, Leaflet, Google Charts, Scrapy, Asana, Google Map API, Memcached, Redis, Celery

Non-commercial Projects

Below present not a full list of projects. Some projects exists in private repos. All projects designed and built by me from scratch.

JavaScript

AllatRa Live   https://live.allatra.tv

Jun 2019 -   Streaming platform for simultaneous interpretation.
present   ReactJs, amplitudejs, mobx, classes, icecast, nginx, nginx-rtmp, ansible

Rust

Firefox   https://github.com/skhalymon/firefox_starter
starter   Firefox profiles manager allowing to start few instances of browser.
Sep 2017 -   GTK-RS
Oct 2017

Python

ephyr-   https://github.com/ALLATRA-IT/ephyr-control
control   Client library that allow to control Ephyr streaming.
Jun 2020 -   Python 3.7+, pydantic, zmq
present

facecast-io   https://github.com/ALLATRA-IT/facecast-io
Feb 2020 -   Unofficial API client to https://facecast.io service.
present   Python 3.7+, poetry, typer, pydantic, httpx

annots   https://github.com/skhalymon/annots
Dec 2016   annots is the package that allow to use Python 3.6 variable annotations in handy way.
Python 3.6

Epubsearcher   https://github.com/skhalymon/epubsearcher
Mar 2015 -   Library for search selected words in Epub publications.
Jan 2016   Python 3.4, Beatifulsoup4, lxml, Whoosh

AllatRa   https://github.com/skhalymon/wiki-and-reader
Encyclopedy   Website that gives you opportunity read books with annotations with articles from
Jun 2015 -   encyclopedia.
Dec 2015   Python 3.4, Django, Celery, MySql, Ansible, epubsearcher...

ec315 status app indicator Jul 2014	https://github.com/skhalymon/ec315-status-app-indicator Gnome Applet Indicator for Huawei ec315 modem. Displays signal strength, allows and to change connection mode and reboot modem. Python 2.7, PyGTK
Polls post Aug 2014	https://github.com/skhalymon/polls_post App for posting to VK communities. Can work with few accounts. Python 2.7, PyQt, VK Api

Development skills

Programming and Markup Languages

Advanced level	Python
Mid-level	JavaScript, HTML
Basic level	Java, SASS, CSS, Rust, PL/SQL, Bash, LaTeX
Reading level	Ruby, C#, C, PHP

Server administration skills

Server management with	Terraform, Ansible, Fabric
Deployment to	Heroku, Dokku, OpenShift, GAE, AWS
Write configs for	Nginx, Gunicorn, uWSGI, SystemD services, Vagrant, Docker, icecast, nginx-rtmp, ffmpeg

Computer skills

IDE/Editors	PyCharm, WebStorm, IntellliJ, RubyMine, Rider, Android Studio, XCode, VS Code, Sumblime Text, Vim
OS	Linux (Ubuntu, Debian, Arch), Windows 10, Windows Server 2016, macOS
VCS	Git

Languages Proficiency level

Native	Russian, Ukrainian
Intermediate	English

Education

Sep 2012 - Jan 2017	**Computer Engineering**, *National Aerospace University -'Kharkiv Aviation Institute' ,Ukraine.*
Sep 2008 - Jun 2012	Computer Engineering College of Sumy State University, Konotop, Ukraine.

Courses

Cisco Networking Academy	CISCO IoT

INTUIT	Linux Administration
University of Alberta	Object-Oriented Design, Design Patterns, Software Architecture, Service-Oriented Architecture

Public activity

LinkedIn	https://www.linkedin.com/in/serhii-khalymon-38044b56/
GitHub	https://github.com/skhalymon