



Yury A. Apollov

Male, 29 years, born on 25 August 1986

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Reside in: Saint Petersburg, m. Mezhdunarodnaya

Citizenship: Russia, work permit at: Russia

Not ready to relocate, ready for rare business trips

Desired position and salary

Python Lead Developer

IT, Internet, Telecom

- Software Development
- System Integration
- Internet

5 000

USD

Employment: full time, part time

Work schedule: full time, flexible schedule, remote working

travel time to work: any

Work experience — 4 years 11 months

February 2016 — till
now
1 year 4 months

4tifier

Kharkov, 4tifier.com

Senior Python Developer / TeamLead

Situation on input:

monolithic legacy application of rather low quality code, that was developed during last 5-6 years by different developers and in various directions. Many function/method names do not reflect their behavior, code culture is pretty low, the app is working very slowly, the architecture is too monolithic, huge amount of legacy code that has to be maintained due to the way the app works, but the code does not already reflect anything from the business perspective.

Technologies: python2 + django + postgresql + celery + kibana + Sentry, python3.5 + postgresql + asyncio + SQLAlchemy + celery + pytest + tornado + Microsoft Bot Framework + Microservices + Vagrant + ansible.

Activities:

- strategically planning of tasks for the whole team and self, estimations
- communications and activities establishment with distributed development team
- legacy code modification regarding constantly changing requirements
- integration with Kibana (Elasticsearch) for meaningful logging
- integration with Sentry for application error reports

After some time high management decided to get rid of the legacy app at all and start from scratch, considering the experience that was earned during long 5-6 years of previous app existence and having clear targets for near future. Due to this these activities also applies:

- development of architecture for the new distributed application, most of which runs out of request/response loop
- technologies and approaches selection
- creation, support and development of the system in context of distributed development team
- system parts integration for working as a joint system
- resolving concurrent resources access problem
- ...

November 2015 —
February 2016
4 months

VIACode

Saint Petersburg

Senior Python Developer

Situation on input:

monolithic application with legacy code of moderate quality ~26000 lines (LLOC), consisting of REST-like API and "Orchestration Engine" (OE) — kind of supervisor with various worker threads, working in the background; written by previous team code of very poor quality (~5000 LLOC), REST-like API, using legacy REST API for it's own purposes (sometimes colliding and conflicting with the logic and purposes of legacy code). Legacy and new codes are located in separate repositories, but bound with each other logically: legacy code imports modules from new; new code depends on working REST API from legacy and from OE.

Technologies: python2, python3, flask, MySQL, Docker, vagrant.

Activity:

- strategic planning of tasks for the whole team in general and myself in particular, time estimation
- workflow organization between members of distributed developers team, building of own development environment for every member of a team (docker @ OS X via Virtualbox, vagrant + docker @ Windows via Virtualbox, docker @ linux)
- changing legacy code according to changing requirements
- extending functionality in new code
- merging of legacy and new code repositories into single one
- replacement of usage of own REST API with function calls
- code refactoring, migration from python2 to python3 of merged code, successful
- manual DB migrations script writing (schema + data)
- work in a team of developers (markup man, client-side developer, backend developer, QA)

May 2015 —
November 2015
7 months

Firstgaming

Kharkiv, rub90.com

Senior Python Developer (freelance)

Situation on input:

a variety of (micro)services, generally using tornado (python2/3) + MySQL, also on PHP and go.

Technologies:

python2, python3, tornado (coroutines), MySQL, Docker.

Activity:

- fixing defects in working code
- writing from scratch a proxy-like service (integrator) between data storage and processing service, client part of application and external SaaS providers' services
- writing from scratch data storage and processing service, that consumes and processes data from proxy, mentioned above
- code refactoring, migration from python2 to python3

- manual DB migrations script writing (schema + data)
- analysis and optimization of DB queries
- migration from synchronous blocking input/output execution model (requests, mysql-adapter) to async non-blocking (tornado httpclient, mysql pool of workers using ThreadPool)
- work in a team of developers (markup men, client-side developers, backend developers, QAs)

February 2015 —
May 2015
4 months

Mouseclick Inc.

Switzerland, mouseclick.ch

Senior Python Developer (freelance)

Situation on input:

working in production ERP system for SO/HO bookkeeping.

Technologies:

Ubuntu Linux, OpenERP v7 (python), PostgreSQL v9.1.

Activity:

- backend functionality enhancement (including implementation and optimization of object-level ACL)
- code refactoring
- tests writing (using internal library, desired by customer)
- testing builds and deploys to production
- DB migrations writing (SQL/python)
- work in a team of developers (backend developer, client-side developer)

March 2014 —
February 2015
1 year

Kotelok

Saint Petersburg

Linux System Administrator/ Python Developer (freelance)

Situation on input:

working in production set of games for various social networks (vk.com, fb.com, mail.ru, fotostrana.ru), written on a single platform. Lots of legacy code.

Technologies:

Debian Linux, Django v1.2 (python), PostgreSQL v8.4, MongoDB v2.2, Redis, Beanstalk, Jinja, Nginx, mod_python (Apache).

Activity:

- servers monitoring and maintenance
- applications monitoring and maintenance
- extending admin modules (Jinja)
- stats collecting (payments, users, various criterions)
- testing builds and deploys to production
- deploying to production
- migrations from old server platforms to new
- cross-server applications migrations
- backups
- work in a team of developers (markup man, client-side developer)

January 2014 —
December 2014
1 year

Traffic, Digital Agency

Saint Petersburg, www.traffic.spb.ru

Python Developer (freelance)

Situation on input:

2 sites working in production. Necessity to migrate one of them from one external CRM service to another.

Technologies:

Ubuntu Linux, Django v1.5 (python), MySQL, uwsgi.

Activity:

- ASAP migration between external CRMs (including as migration of existing code, as writing a library for interactions with new CRM)
- modifications to application's business-logic
- statistics analysis (various criterions)
- testing builds and deploys to production
- deploying to production
- work in a team of developers (markup man, client-side developer)

March 2012 —
December 2013
1 year 10 months

GREENLABS

Saint Petersburg, greenlabs.ru/

Python Developer / Team Lead

Situation on input:

pool of task on writing sites from scratch, working in production intranet portal, working in production clients' sites, lack of inner infrastructure (no source control, no task tracker).

Technologies:

Ubuntu Linux, Debian Linux, FreeBSD, Django v1.3...1.5 (python), PostgreSQL v8.4...9.x, MySQL, Redis, Tornado, SphinxSearch, Haystack (python), RQ (python), gunicorn (python), uwsgi, mod_python (Apache).

Activity:

- implementation of functionality using specification or without it (including implementing async text broadcasting service using Tornado + WebSockets; heavy pages performance optimization (caching); creation of «Live stream» with various content type (News, Events etc.); creation of code base for 4 sites to use it simultaneously, with centralized admin etc.; binding to external services via API, including authentication implementation in Django through external service)
- creation of sites with various complexity from scratch
- support and development of existing client's intranet portal (including code refactoring into DRY, clean, testable and maintainable; data migration; implementation of background async import (create and update) of users from MS Excel sheet using RQ)
- support and development of clients' sites under high load
- work in a team of developers (markup man, client-side developer, backend developer)
- testing builds and deploys to production
- deploying to production
- developers consulting
- development process debugging and enhancement
- internal services configuring (Redmine, Gitlab)
- providing links between developers and managers
- technical management (hardware purchase, technical leadership)

April 2011 — March
2012
1 year

Traffic, Digital Agency

Saint Petersburg, www.traffic.spb.ru

Python Developer

Situation on input:

working in production game for vk.com social network (Flash frontend).

Technologies:

SQLAlchemy (python), PostgreSQL, Flask (python), gevent (python), mod_python (Apache).

Activity:

- backend development (including implementation of in-game Quests logic)
- DB migrations (raw SQL)
- testing builds and deploys to production
- deploying to production
- development of admin (Flask)

Education

Higher

2010

SPb SMTU

Shipbuilding and ocean technics, spec. Marine engineer, Specialist

Professional development, courses

2011

Python Programming Language

<http://www.intuit.ru>, <http://www.intuit.ru/diplom/UJUZNUUVbln6/P00172043/>

2010

Java Programming Language

<http://www.intuit.ru>

2009

OS Linux

<http://www.intuit.ru>, <http://www.intuit.ru/diploma/UJUZNUUVbln6/P00061327/>

Tests, examinations

2012

CS169.1x Software as a Service

BerkeleyX, Berkeley Institute, CA, Certified

Electronic certificates

2012

Software as a Service

Key skills

Languages

Russian — native

English — I am a fluent speaker

German — basic knowledge

Skills

zope pep8 pep257 pylint OOII OpenERP PostgreSQL vim Git Mercurial Subversion Flask
SQLAlchemy Bash Python 2 Python 3 Django Framework Linux Unix Shell Scripts Unit Testing
MySQL Scrum Coroutine Tornado

Additional information

Recommendations

"Netrika" Ltd.

Alexey Smirnov (CTO). +7-950-017-9038

About me

DB: PostgreSQL

Text editor: vim

IDE:PyCharm

OS: Mac OS X

Shell: zsh

Other: Docker

python: prefer 3, but highly proficient in 2, too

Good ability at legacy (and sometimes really weird) code understanding, but granular usage of refactoring, especially when dealing with working legacy code.

Write clean, DRY and accurate code (pep8, pep257, pylint — no messages higher than INFO level).

Document all around, writing docstrings to all functions/methods/objects, believe in TDD, write unit-tests, integration tests, sometimes doctests.

Obey DRY (don't repeat yourself), S (single responsibility from SOLID) principles. Use patterns where applicable.

Able to build an application's architecture, document it and substantiate decisions made and implement them.

Write sh scripts from time to time, but proceed to python, if the script becomes more complex than 1 line.

Have the experience on migrating applications from python 2 to 3. Also from synchronous model to coroutines.

In general, I like beautiful code of high quality.