Kuryakin David

Male, 34 years, born on 22 July 1987

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dkuryakin@gmail.com — preferred means of communication

Reside in: Moscow
Citizenship: Russia, work permit at: Russia
Ready to relocate, ready for business trips

Desired position and salary

fullstack developer

Specializations:
— Programmer, developer
Employment: full time
Work schedule: remote working
Desired travel time to work: any

Work experience — 16 years 1 month

April 2018 — till now
4 years 4 months

Dbrain
dbrain.io
IT, System Integration, Internet
• Software Development

fullstack developer

Main fields of activity:
- Developing "docr" product - solving structured information retrieval problem on documents images (architecture, backend with python3.5+, devops).
- Developing backends with golang for crowdsourcing labeling platform for deep learning (https://try.handl.ai).
- Developing frontend for https://try.handl.ai from scratch with react.
- Docker-based platform for organizing deep-learning hackathons. Product is just simple docker orchestrator, but with integration of many special functions, related to subject area. Written with golang+python, use native docker api.
- A lot of internal subprojects (golang, python3.5+, react, vanilla js, devops).

Technical stack:
- linux, shell scripting
- python3.5+, asyncio, aiohttp, fastapi, aiopika, motor, etc
- golang, docker api
- postgresql, mongodb
- rabbitmq, zmq
- aws: ecr, ec2, ecs, s3, sqs, cloudfront, ...
- redis
- docker, docker-compose, docker-swarm
- react, vanilla js, jquery, html, css

November 2015 — March 2018
2 years 5 months

Outsource
fullstack developer

Main fields of activity:
- Developing highload (rps ~1000, ~6000000 sessions daily) web-based spa from scratch (fullstack).

- DevOps
- Architecture

Technical stack:
- slim json api (php)
- stats service on websockets (golang)
- some internal services & backends (python3.5+)
- complex & fast spa frontend (vanilla js)
- a little bit c++ for cpu-bound python extensions
- ubuntu, docker-swarm, portainer, prometheus, grafana
- traefik, haproxy, nginx
- mysql, mongodb
- memcached
- ffmpeg

IlkFinKom

vircities.com

IT, System Integration, Internet
• Software Development

fullstack developer

Main fields of activity:
- Develop browser/mobile strategy game with js & cordova phonegap
- SQL-based analytics
- Architecture

Technical stack:
- nodejs, cakephp
- backbone, marionette, phonegap
- postgresql (complex raw queries, procedures, etc)
- redis
- rabbitmq
- docker, docker-compose

UPD: unfortunately the project was closed.

May 2016 —
November 2016
7 months

Evristic

Moscow, evristic.ru

IT, System Integration, Internet
• Internet Company (Search Engines, Payment Systems, Social Networks, Information and Educational, Entertainment Resources, Website Promotion etc.)

CTO

Main fields of activity:
- Came up with a product idea with technical vision
- Create initial mvp with payback, find first clients
- Create Evristic company with two co-founders
- Design future infrastructure & products architecture
- Hire & lead dev team (4 people)

Technical stack:
- linux, shell scripting
- python2.7+, celery, django, flask, peewee, pyqt4, gunicorn
- postgresql, mongodb, mysql
- memcached, redis
- nginx

April 2013 —
November 2015
2 years 8 months

- html, css, vanilla js
- webkit, selenium
- php
- web-crawlers, parsers

Main products:
- Context ads automation system (Google Adwords, Yandex Direct). Product is web-based solution to automate context ads management. It helps to build symantic kernel for target site automaticaly. Create clickable titles from this kernel. Helps to generate clickable beautiful images for these ads. Automate search of optimal payment strategy. Etc. A lot of parsers, crawlers, complex business logic & euristics inside of this product.
- Automated SEO-advisory tool. This web-based tool recommends "the most effective way" to promote site having target budget, and provide interface to schedule this plan.
- Automated SEO-promotion tool. It emulates user actions with tons of user-like bots (with js and different IP) and affects search engine results page.

All tools are well automated and scalable.

January 2012 —
May 2013
1 year 5 months

Островок.ру, ООО
Moscow, www.ostrovok.ru
IT, System Integration, Internet
  • Internet Company (Search Engines, Payment Systems, Social Networks, Information and Educational, Entertainment Resources, Website Promotion etc.)

web developer in the department of analytics

Main fields of activity:
- Implement hotels ranking mechanics on SERP (regression problem).
- Developing split-testing platform.

Technical stack:
- python2.7+
- django, django-lean
- postgresql
- html, css, vanilla js

October 2008 —
January 2012
3 years 4 months

Яндекс
Moscow, www.yandex.ru
IT, System Integration, Internet
  • Internet Company (Search Engines, Payment Systems, Social Networks, Information and Educational, Entertainment Resources, Website Promotion etc.)

python/c++ developer in department of search quality

Main fields of activity:
- Manual data preparation & analysis with perl, awk, sed, sort, etc.
- Developing algorithms with required complexity by memory/number of iterations/etc.
- Processing of search logs (access logs / click logs).
- Filtration, classification, clusterization of search queries, depending on users behavior.
- Fraud detection in search queries. Use map-reduce for big-data, python, machine learning (classification with teacher), vectorization of queries, feature design, svm, gradient boosting, decision trees.
- Using machine learning methods for solving the problems
- Developing tools for processing ugc-related big data and generation of search suggestions dictionaries
- Implementation & support of unit and regression tests
- Clustering (based on search queries) users from Ukraine. I researched the friendliness of Ukrainians to the Russian language. All queries were vectorized with factors based on usage of specific Ukrainian

characters. Next it was introduced metric for measuring distances between two sets of queries. After that, all queries were divided by regions and clustered (standard simple ascending and descending hierarchical clustering). The areas were divided into 2 clusters as were expected. The most interesting results - "doubters" areas.

Technical stack:
- linux, freebsd, shell scripting
- awk, sed, sort, etc
- python
- perl
- c/c++
- svn
- bug & project tracking system

July 2006 —
September 2008
2 years 3 months

Acronis
Moscow, www.acronis.ru

IT, System Integration, Internet
  • System Integration, Technological and Business Processes Automation, IT Consulting

qa engineer

Main fields of activity:
- Functional, regression, load testing
- Writing shell, xml scripts
- Testing interaction of network components

Skills:
- windows os
- testing principles
- software life cycle
- file systems, disk types
- networking basics

Education

Master

2010

Moscow Institute of Physics and Technology (State University), Moscow
Faculty of Innovations and High Technologies, Applied Mathematics and Physics (master)

2008

Moscow Institute of Physics and Technology (State University), Moscow
Faculty of Physics and Energetics Problems, Applied Mathematics and Physics (bachelor)

Professional development, courses

2010

School of Data Analysis
Yandex, Machine learning & Data mining

Key skills

Languages

Russian — Native
English — B2 — Upper Intermediate

Skills

Linux   Python   JavaScript   Golang   React

Driving experience

Own car
Driver's license category B

Further information

About me

Hard skills:
- Physical and mathematical education. Interested in mathematics (mathematical statistics, probability theory, machine learning, etc.), theory and practice of algorithms and data structures. Bachelor's degree: numerical solution of the nonlinear Schrödinger equation at the MPI platform (using c++).
- linux, shell scripting
- networking & protocols
- basic devops, docker, docker-compose, docker-swarm, traefik lb, portainer, prometheus, grafana, greylog
- nginx, haproxy
- postgresql, mysql
- mongodb
- consul
- redis, memcached
- rabbitmq, zmq, sqs
- python, javascript, golang, c/c++, php (sorted by decreasing of usage frequency)
- nodejs
- react, vanilla js, html, css
- aws: ecr, ec2, ecs, s3, sqs, cloudfront, ...
- ffmpeg, codecs
- git
- issue trackers
- agile

Soft skills:
- Communicable, responsible, open person.
- Positive mindset, non-toxic.
- I feel responsibility when I see some imperfections. That's why I own some product area, not just solve tasks.
- Think - first, code - last.
- Have strong problem-solving skill.
- Love to solve unusual/complex problems.
- Love to learn new things.
- Love to be useful (but who is not, ha-ha).
- Love sport, especially skiing, trampoline.
- Love travelling.