

Denis Trofimov

Senior Software Developer

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Portfolio and blog <https://denis-trofimov.github.io/>

EXPERIENCE

09/2018 — present

Learn Python programming courses, Moscow, <https://learn.python.ru>

Mentor

- Mentored 3 groups of 6 students for 40 hours each wave.
- Supervised 12 diploma projects.

Nov 2018 – May 2019

Tinkoff, Moscow, <https://tinkoff.ru>

Senior Software Developer

- * Refactored the Tinkoff Text-To-Speech gRPC HTTP/2 API and Flask CMS services on Python
- * Rewritten Text-To-Speech gRPC HTTP/2 API service on Golang
- * Deployed and tested that services on Kubernetes Cloud

Technology

- Languages: Python 3.7, Golang 2 Modules, C++, SQL
- DE & editors: PyCharm, GoLand (IDE JetBrains), VS Code
- Packages: gRPC, TensorFlow Serving, Flask, Unicorn, NumPy, SQLAlchemy
- DB: PostgreSQL DB, SQLite, MongoDB
- DevOps: Docker, Kubernetes, Helm, TeamCity, Nexus, Linux Ubuntu, bash

May 2017 — Sep 2018

Vzor Systems, LLC, Moscow, <https://vzorsystems.ru>

Lead Software Developer

- Designed architecture and developed a bio-metric identification software (GUI client, server, and embedded).
- Hired and spearheaded two software developers on this project.
- Optimized identity recognition using classic image processing algorithms and CNN
- Conducted a technological proof test and prepared a NIST compliant report.

Technology

- Python 2.7, 3.5, C++, C, SQL; Git (GitLab); Eclipse IDE, Qt Creator

- OpenCV, Caffe, SciPy; SQLAlchemy; gRPC, MQTT; PostgreSQL; Ubuntu, MS Windows

Feb 2013 — Jan 2014

«Bigur-consulting», LLC, Moscow, <https://bigur.ru>

Software Developer Python

- Web-commerce site back-end development for a wine importer, made on in-house Python framework from scratch.

Technology

- Python 3.2, ExtJS 4; Git; vim, UMLet; PostgreSQL DB, SQLite, Apache HTTP Server, WSGI

Feb 2006 — Dec 2010

«Asoft», LLC, Moscow, <http://www.asoft.ru>

Software Developer C++

- Developed and deployed a railroad technological process modeling client-server application.

Technology

- C++, SQL, HTML, XML, JavaScript; VSC CVS; Eclipse IDE, KDevelop, emacs
- Oracle DB, MySQL, in-house RDBMS + Web Server; bash, Fedora Linux

Nov 2003 — Sep 2005

**Khrunichev State Research and Production Space Center, Moscow, <http://www.khrunichev.ru/>
*Engineer***

- Developed Borland C++ Builder applications for satellite trajectory computations

Projects

Nov 2018 - Dec 2018

New Year's Miracle

Software Developer Python

- I had developed Personalized Call Order Django SPA site <https://zvonok.novogodnee-chudo.ru/>.
- Team consisted of owner, sysadmin, DBA, designer, me, my mentee junior Python developer.
- I used Jinja 2 templates to install front-end, for storage on site I used PostgreSQL DB 10, for delayed tasks as email and SMS sending -- Celery queue and Redis.
- I created a Docker container with UWSGI and Django for deployment on Nginx web server, and tested this container works on 38 core bare metal Linux server.

Mar 2017 — Aug 2017

Upwork Freelance Job

Backend Developer Python

- Refactored a multi-threaded VOIP traffic recording service from Python 2.7 to 3.4
- Added Google Cloud Storage, configuration features, fixed JSON API, FTP, SFTP storage issues.
- The team from De Novo Lab was PM, sysadmin, 2 testers.

Technology

- Python 2.7, 3.4, SQL; Git Bitbucket, Atlassian Jira; Eric Python IDE, vim;
- Flask, gcs-client, psycopg2 for PostgreSQL DB, SQLite, SQLAlchemy, tcpdump, tshark, mawk;
- Deployed on Debian, CentOS Linux

Education

**Moscow State University after M. V. Lomonosov, 2002, <https://www.msu.ru/>
Postgraduate in Applied Mechanics**

- Presented talk on my thesis at annual conference Lomonosov Readings
- Wrote thesis On Altering Trajectory of Dangerous Asteroids and Comets
- Performed calculations in MATLAB, Maple.
- Taught lab work on gyroscopes

**Moscow State University after M. V. Lomonosov, 2000, <https://www.msu.ru/>
Specialist(BCs plus) in Applied Mechanics**

Accomplishments

Practical Deep Learning For Coders, 2018

Data Institute at USF in San Francisco by Jeremy Howard (Kaggle's #1 competitor 2 years running, and founder of Enlitic), course18.fast.ai.

Innovative Production Managment. Sales and marketing, 40 hours, 2013

«Academy of Management and Marketing», Moscow

SME managment. Negotiating skills. 100 hours, 2013

«IT Institute», Moscow <http://www.ikt.ru/>

Business English for President Program Attendants, 100 hours, 2013

Russian State Social University (RSSU), Moscow <https://en.rgsu.net/>

Professional technical analysis stock traiding, 2008

FINAM Education Center, <https://www.finam.ru/>