

Aleksandr Ilin

PERSONAL INFORMATION

Date of Birth: December 23, 1992
Address: Saint-Petersburg, Russia
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SKILLS

Programming Languages: Python, Golang, C++
Technologies: Big Data(Spark, Hadoop), Highload, Parallel Programming
VCS: Git, SVN
OS: Linux
Other: Docker, Git-Flow, Design Patterns, UML,
Agile(Scrum, Kanban, XP, TDD)

ABOUT ME

Experienced developer with a strong background.
I have an inquisitive mind, constantly learning new things.
Having interest in parallel programming, BigData, agent modeling, interdisciplinary researches.
Following the principles: Unix Way, ABC, KISS, YAGNI, The Zen of Python.
Team player, love new challeges.

EXPERIENCE

Total: 3 yrs 10 mos

Sep 2018 - **Data Engineer**
Mar 2019 **OSAHP**, Remote, osahp.com
6 mos

The product helps to reduce the number of sales losses, by alerting merchandiser about the absence of goods on the shop shelves.
I was a part of Data Science team responsible for ML algorithms.

Responsibilities & Achievements:

- * refactoring
- * transferring calculations to Spark
- * optimization of SQL queries
- * business features implementation
- * consulting on best practices, design patterns, algorithms, idioms, workflow management, etc
- * code review

Proposed and encouraged to introduce: release management, git-flow, keeping a changelog, python projects best practices, etc.

Stack: python3, PySpark, ClickHouse, PostgreSQL, git

Jun 2016 - **Python Developer**
Aug 2018 **Luxoft**, Saint-Petersburg, www.luxoft.com
2 yrs 3 mos

AUTOMOTIVE project

Hot 3 weeks long project.

Customer wanted to simulate data in two different formats: one which recieved from emulation device and second which emulates annotator.

Solution was in applying agent-based road traffic simulation system and serializing it in two different ways.

Responsibilities:

- * requirements analysis
- * conceptual design of agent-based modeling: agent types, movement rules, agents interaction
- * architecture design
- * leading 2 developers
- * refactoring
- * release management

Stack: python3.6, numpy, lxml

LOEWE. project

Leading a small project team (3 developers, 1 QA).

Managing a project for the test automation framework development.

Communication with the customer, scrum planning.

Building a complicated distributed system: researches, implementation.

Redesigned existing solution:

- * reworked the system architecture;
- * optimized test algorithms;
- * integrated best deploying practices;
- * migrated from SVN to Git;
- * set up the development infrastructure and VCS usage best practises.

Stack: Python3.5, Django, DRF, Celery, RabbitMQ/Redis, PostgreSQL, bash, Ubuntu16+, Docker, Git, SVN.

Dec 2015 - May 2016 6 mos	Scientific Programmer Navmii , Saint-Petersburg, www.navmii.com <p>Researches of the neural network models and ML algorithms for the classification of road signs and cars, based on the real-time visual content.</p> <ul style="list-style-type: none"> * Developing ML algorithms. * Analysing ML algorithms working results. * Reporting researches and results points. * Proposing the new approaches to try. * Improving and optimising algorithms and data sets. <p>ETL, feature selection, feature engineering, developing and implementation of ML algorithms.</p> <p>Developed several utilities on python for data preprocessing (adding noise, statistics collection, visualization, etc).</p> <p>Stack: python3, lua, OpenCV, Torch, git.</p>
Aug - Dec 2015 5 mos	Python Developer Тензор, ООО , Yaroslavl, www.tensor.ru <p>Taked a participation in buidling a complicated distributed system for the interaction of business processes, documents and business participants through a one communication network.</p> <p>Taked a participation in designing and development of a subsystem of user notifications via various channels (e.g. sms, email, push).</p> <ul style="list-style-type: none"> * implemented and refactored backend (C++, PostgreSQL, Python) * optimized database structure; * support of messages transformation algorithms (xslt); * frontend logic support (JS); * provided system support. <p>Stack: python3, C++, PostgreSQL, git.</p>
Jan - Mar 2013 3 mos	Erlang Intern LiveTex , Saint-Petersburg, www.livetex.ru <p>Implemented unit tests for the SIP protocol messaging module. Detection and covering non-trivial cases.</p>

EDUCATION

June, 2018:	Master, ITMO University , Saint-Petersburg Major: High Performance Computing
June, 2015:	Specialist, ITMO University , Saint-Petersburg Major: Information Systems and Technologies

LANGUAGES

Russian:	Native	
English ¹ :	Listening	C1
	Reading	C1
	Spoken interaction	B1
	Spoken production	B1
	Writing	B1

¹Self-assessment. Common European Framework of Reference(CEF) level