

Aleksandr Ilin

PERSONAL INFORMATION

Date of Birth: December 23, 1992
Address: Saint-Petersburg, Russia
Github:  [cjcjcj](#)
Linkedin:  [ailin](#)
Email: alexander.ilin.92@gmail.com

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: 4 yrs 9 mos

May 2019 - **Software Engineer**
Mar 2020 **Mobalytics**, Remote, mobalytics.gg
11 mos

Responsibilities:

- * Development
- * Data Architecture

Stack:

Microservices

Golang, Python

Cassandra, Scylla, Postgres, Rabbit, Redis, k8s

GQL, REST, GRPC, protobuf

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 -
Aug 2018
2 yrs 3 mos

Python Developer
Luxoft, Saint-Petersburg, www.luxoft.com

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

Researches of the neural network models and ML algorithms for the classification of road signs and cars, based on the real-time visual content.

- * 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.

ETL, feature selection, feature engineering, developing and implementation of ML algorithms.

Developed several utilities on python for data preprocessing (adding noise, statistics collection, visualization, etc).

Stack: python3, lua, OpenCV, Torch, git.

Aug -
Dec 2015
5 mos

Python Developer
Тензор, ООО, Yaroslavl, www.tensor.ru

Taked a participation in buidling a complicated distributed system for the interaction of business processes, documents and business participants through a one communication network.

Taked a participation in designing and development of a subsystem of user notifications via various channels (e.g. sms, email, push).

- * implemented and refactored backend (C++, PostgreSQL, Python)
- * optimized database structure;
- * support of messages transformation algorithms (xslt);
- * frontend logic support (JS);
- * provided system support.

Stack: python3, C++, PostgreSQL, git.

Jan -
Mar 2013
3 mos

Erlang Intern
LiveTex, Saint-Petersburg, www.livetex.ru

Implemented unit tests for the SIP protocol messaging module. Detection and covering non-trivial cases.

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