

PROGRAMMING SKILLS

- **Languages:** Python, SQL, HTML, Shell **Technologies:** Hadoop, Spark, gRPC, Kafka, Docker, OpenShift
- **Python libs:** PySpark, Pandas, NumPy, Scikit-learn, SciPy, XGboost, Shap
- **DataBase:** Oracle, PostgreSQL, ClickHouse, Redis

EXPERIENCE

- **Sberbank** Moscow, Russia
Senior ML Engineer, Team Lead Sep. 2019 - Apr. 2022
 - **EWS Model:** Designed production model from MVP and data marts(Spark). EWS(Early Warning System) model allows to capture risk indicators such as the probability of default and financial, macroeconomic factors, and obtain a general assessment of credit deterioration. Basically it is multi models system that trains on big data with valuable insight.
 - **Workflows:** Designed the workflow framework MFW(Models FrameWork) to create and manage model pipelines leveraging reusable patterns to expedite developer productivity. The framework reduces the Time to Market each model by 15–25%.
 - **Management:** Led the development of models, frameworks, DevOps, and integrations with other services.

Middle ML Engineer Dec. 2018 - Sep. 2019

 - **NPL model and etc:** Designed production models from MVP and data marts(Spark). Models detect potentially Non-Performing Loans where the likelihood of them being repaid in full is considered to be significantly lower.
 - **Refactoring legacy:** Refactored legacy models and redesigned with release to production.
- **OpenTechnologies** Moscow, Russia
Data Engineer Dec. 2017 - Dec. 2018
 - **Geolocation Application:** Refactored legacy backend module and developed ETL tools for a project. Implemented module with process big data and integration with Splunk.
 - **APM:** Developed module to aggregate data from agent APM(Application Performance Management) and a make general report about the system status.
- **Huawei Technologies** St. Petersburg, Russia
Python Developer May 2016 - Sep. 2017
 - **Reporting:** Developed an application for automatic report generation for KPIs achievement by region.
 - **Monitoring system:** Developed backed module to install and manage monitoring system icinga(nagios).

EDUCATION

- **The Bonch-Bruevich Saint Petersburg State University of Telecommunications**
Master of Protected Communication Systems St. Petersburg, Russia
Sep. 2003 – June 2008
- **The Bonch-Bruevich Saint Petersburg State University of Telecommunications**
Master of Economics and Managements to Communication St. Petersburg, Russia
Sep. 2006 – June 2009