

## **Mark Andreev, Big Data Engineer with Machine Learning knowledge**

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### **Development stack:**

- Java. Spring: MVC, Data, AMQP, Kafka, Security, Apache Camel.
- BigData. Spark, Ignite, Hadoop, Cassandra, HBase, Kafka.
- PostgreSQL, MongoDB, RabbitMQ, Redis, Kafka, Keycloak, Prometheus, Docker, Kubernetes
- Cloud. AWS: EC2, S3, RDS, CloudFront, SQS, SNS, Lambda, IAM, Registry; Azure: VM, Blob.
- Python. Pandas, Scikit-learn, Matplotlib.

**Languages:** Russian - native, English - advanced

### **Experience**

#### **May 2017 - present (3+ years)**

[Conundrum AI](#), Machine learning engineer

- Developed Machine learning lifecycle platform for Industrial Automation (on top of kubernetes, dynamic resource allocation)
- Developed Data Storage Service for sensors data
- Developed end to end machine learning application for flight analysis
- Created ad hook analysis for tabular, geo, textual data for customer needs
- Microservices based architecture

#### **Aug 2020 - present**

[Apache Ignite](#), Committer to Machine learning Extension

- Developed advanced feature encoding techniques
- Developed advanced distances metrics
- Integrated Yandex Catboost model inference

### **Education**

#### **September 2016 - June 2018**

Lomonosov Moscow State University, Master of Applied Mathematics and Informatics.

Thesis: "NLP in macroeconomics monitoring".

#### **September 2012 - June 2016**

Moscow Power Engineering Institute (National Research University). Mathematical modeling.

Thesis: "Face recognition".

### **Conferences/Public speech**

**February 2019.** "[ML in production](#)" at the FunTech ML-meetup.

**May 2018.** Volunteer Data Scientist at [EnduringNet](#) (founded by Ser-Huang Poon, prof Manchester University)

**July 2017.** [Big Data approach to measure inflation expectations: the case of the Russian economy](#) (IFABS 2017 Oxford Conference), Goloshchapova, I., & Andreev M.

**May 2017.** [Measuring inflation expectations of the Russian population with the help of machine learning](#) (Voprosy Ekonomiki), Goloshchapova, I., & Andreev M.

### **Certificates.**

- [AWS Well-Architected Training](#)
- Deep Dive into [S3](#), [Glacier](#), [EFS](#)
- [Deep Dive on Container Security](#)