

## **Mark Andreev, Machine learning engineer**

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### **Development stack:**

- Java. Spring: MVC, Data, AMQP, Kafka, Integration, Batch, Security
- PostgreSQL, MongoDB, RabbitMQ, Redis, Kafka, Keycloak, Docker, Prometheus, Kubernetes
- Cloud. AWS: EC2, S3, RDS, CloudFront, SQS, SNS, Lambda, IAM, Registry; Azure: VM, Blob, Registry
- Python. Pandas, Scikit-learn, Matplotlib, Tornado
- Typescript. Angular, Apollo

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

### **Experience**

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

[Conundrum AI](#), Machine learning engineer

- Developed Machine learning lifecycle platform for Industrial Automation (kubernetes based)
- 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

### **Education**

**September 2016 - June 2018**

Lomonosov Moscow State University, Master of Applied Mathematics and Informatics. Big Data: infrastructure and methods for solving problems.

Thesis: "NLP in macroeconomics".

**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)

**October 2017.** [A New Approach to Determining the Attitude of Authors of Short Texts to the Topics Discussed in the Texts on the Example of Estimating the Inflation Expectations](#) (DAMDIT 2017), Andreev M.

**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](#)