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About me

I've started my software engineer career at the 4th year of university and at the moment I have already gained almost 5 years of experience in developing robust code for huge companies. As a software engineer I am always focused on solving problems and challenges that will help the company grow and improve performance. It is very important for me to work on solving complex and unusual tasks, to actively communicate with the team and stakeholders, to make decisions together that will allow us to build a high quality product.

Education

Sep 2019 – Jun 2021	Master degree in Applied Mathematics and Physics, **Moscow Institue of Physics and Technology**, Department of Control and Applied Mathematics.
Sep 2015 – Jun 2019	Bachelor degree in Applied Mathematics and Physics, **Moscow Institue of Physics and Technology**, Department of Control and Applied Mathematics. Main subjects: Numerical Analysis, Probability Theory, Random Processes, Mathematical Statistics, Convex Optimization

Academic activity

- Publication "Analysis of Consistency for In Memory Data Grid Apache Ignite"
  Andrey Tapekhin, Igor Bogomolov, Oleg Velikanov, 2019 Ivannikov Memorial Workshop (IVMEM)

- Lecturing at Moscow Institue of Physics and Technology
  Conducted a 2 semester course on algorithms and data structures for 2nd year students, 2020/21

Work Experience

Oct 2022 CURRENT	**Software engineer** *at Revolut* Actively driving the launch of a new product - margin trading. Independently working within the full development cycle from requirements gathering to design and implementation of technical solutions Main achievements:

- Improved stocks trading analytic by calculating customer's trading performance not only in USD but also in customer's home currency. This **improved a user experience** and allowed for a better assessment of trading history

- Built integration with external broker which provides margin trading capability. Margin trading is expected go generate a **dozens of million turnover** in a first year

Stack: `Java` `Guice` `JOOQ` `Postgres` `Google Cloud`

Jul 2021 Sep 2022 1y & 3m	**Software engineer** *at OZON.ru* OZON.ru is a leading e-commerce platform in CIS region with **60 million MAU**. Was developing services for the Catalog & Search system. Most of the time was developing new product features which directly influence user experience.

Main achievements:

- Participated in the launch of a new product - OZON Express - grocery delivery in 15 minutes which was expected to have **GMV of 500 million USD** annually

- Replaced search by warehouses with a search by geolocations and delivery polygons which reduced the amount of data transmitted over the network **by hundred of times** and improved the search quality by decreasing the number of false positive results **by half**

- Participated in the development of a new type of advertising, which is added among other search results and looks extremely native. The new type of advertising was expected to generate a **revenue of 3.5 billion USD** in the first year

Stack: | Golang | | GRPC | | Protobuf | | Redis | | Postgres | | Kafka | | Kubernetes |

Jul 2019	**Software engineer**
Jun 2021	at ***Deutsche Bank***
2 years	Was working in Rates & Credit IT department. The team was responsible for maintaining and developing the infrastructure for interest rate derivatives trading. Main achievements:

- Participated in replacing the legacy monolithic unmaintainable system by new microservices which increased the reliability of the entire system. This has led to a **10-fold reduction** of the number of support calls made by traders

- Built an integration with new exchange platform - Markitwire. It helped to automate some interest rate instruments trading which was manually done before and saved **dozens of minutes** of traders time daily.

Stack: | Java | | Kotlin | | Spring | | Oracle database | | JMS |

Sep 2018	**Junior software engineer**
Jun 2019	at ***Institute for System Programming of the RAS***
10 months	Developed test scenarios for load testing of Apache Ignite. Researched its properties of consistency, availability and partition tolerance using Jepsen framework. Published a paper based on the results of the study.

Stack: | Golang | | Clojure | | Jepsen.io | | Apache Ignite |