Oleg Velikanov

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ABOUT ME

Having started my career in the 3rd year of university, I have already gained almost 5 years of experience in producing robust code for high-volume companies as a software engineer. In addition, I am always happy to help others, to teach them something new, so after graduation I worked for a while as a teacher at my university. It is very important for me to work on solving complex and unusual tasks, to actively communicate with the team, to make decisions together that will allow us to build a quality product.

EDUCATION

SEP 2019 – JUN 2022	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

PUBLICATIONS

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

WORK EXPERIENCE

Jul 2021 CURRENT	**Golang developer** *at OZON.ru* OZON.ru is a leading e-commerce platform in CIS. Currently I'm developing services for the Catalog & Search system that is used by millions of people a day. Mostly working on supporting 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. Supported new search context in catalog services

- Replaced search by warehouses with a search by geolocations and delivery polygons which reduced the amount of data transmitted over the network by hundreds of times

- Developed new low latency category tree service that stores tree in memory refreshing it periodically and could be easily scaled without influence on external systems

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

Jan 2021 Jun 2021 6 months	**Kotlin developer** *at Deutsche Bank* Was developing the system which provides corporate users functionality of placing and monitoring their deposits. The main part of the work was refactoring a monolith into microservices using Kotlin instead of Java and covering critical business features with unit tests that weren't written before.

Stack: `Kotlin` `Spring` `Solace event broker` `Oracle database`

Jul 2019 *Dec 2020* *1y & 6m*	**Java developer** at **Deutsche Bank** Worked on the development of the new post trade audit system with microservices based architecture which had to replace the legacy monolithic system. Mostly contributed in the microservice which is responsible for transmitting trader's commands into the external financial trading system and for synchronizing business related data and trades state between that system and internal applications. Also took part in the supporting of legacy monolithic system as a last line support person. Stack: [Java] [Spring] [JMS]
Jul 2017 *Jun 2019* *2 years*	**Junior developer (GO lang / Clojure)** at **Institute for System Programming of the RAS** Developed test scenarios for load testing of Apache Ignite. Researched its properties of consistency, availability and partition tolerance using Jepsen framework. Published a scientific article based on the results of the study. Stack: [Golang] [Clojure] [Jepsen.io] [Apache Ignite]
Feb 2019 *Apr 2019* *3 months*	Risk Analyst Intern at **Tinkoff bank** Worked on the development of the regression model for predicting the annual monetary turnover of a legal entity based on publicly available information. This model was intended to help businesses make decisions about opening a credit line for a legal entity.

ADDITIONAL ACTIVITY

Sep 2020 *Jun 2021* *2 semesters*	Teaching assistant at **Moscow Institue of Physics and Technology** Conducted seminars and practical classes on the course "Algorithms and data structures in Python"