

GESER DUGAROV, Ph.D. | Software Engineer, Java/Python Developer

email: geserdugarov@gmail.com
languages: English (advanced), Russian (native)
profiles: [LinkedIn](#), [GitHub](#)

SUMMARY

Software Engineer developing core functionality in a data lakehouse platform to process PBs of raw data near real-time. Also [contributing to the open source](#), Apache Hudi project, with focus on improving usability of the solution.

Wide experience in research and data analysis (13 yrs, PhD). Made a transition from fundamental research in Oil & Gas to research and development in IT due to my passion to create products that people use.

Passionate about Big Data and distributed systems. Personal mission statement: "Living a balanced life. Helping professionals to work smarter, not harder by creating automatic systems for their routine."

TECHNICAL SKILLS

Java, Python, SQL, Maven, Docker, Spark, Hadoop

WORK EXPERIENCE

May 23 - Current **Software Engineer,**
 (1+ yr) [Huawei Cloud](#)

- Development of core functionality of a Data Lakehouse platform.

Jan 24 - Current [Apache Hudi](#) Contributor,
 (~ 0.5 yrs) **The Apache Software Foundation**

- Contributing with focus on usability of the solution.

Feb 22 - May 23 **Software Engineer,**
 (1+ yr) **Digital Research** (computer vision startup)

- Created an event-based architecture for a system of batch image processing (~20k images / day). Developed server-side image processing. In production the system reduced downtime of trucks by 12%.
- Created a customer-facing web UI with reports and data visualization. Also created an internal web UI for system monitoring.

2009 – 2022 Research Assistant >> Research Associate >> **Senior Researcher** (since 2019),
 (13 yrs) **Trofimuk Institute of Petroleum Geology and Geophysics**

- Transferred new technology of fracture parameters estimation from fundamental research to business (NIS-Naftagas, Serbia). Lead the project with research and software development stages.
- 5 years in a row of personal projects supported by main foundations (2017-2021), laboratory financial resources have been increased by 18% for these 5 years.
- 4 graduate students: 3 MSc (2022*2, 2020), 1 BSc (2020).

EDUCATION

2013 **PhD, Geophysics,**
 Trofimuk Institute of Petroleum Geology and Geophysics SB RAS

2009 **MSc, Computational and Applied Mathematics,**
Novosibirsk State University

CERTIFICATES

- Deep Learning Specialization, Coursera (2021).
- Machine Learning, Coursera (2021).

HOBBIES

- Going to the gym on a regular basis (since 2019).
- Reading developmental psychology and business management books.

[Recent version of CV](#)