

GESER DUGAROV, Ph.D. | Software Engineer, Data Engineer

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

SUMMARY

Software Engineer developing some core functionality in a transactional data lake platform. On a previous position developed a project of trucks monitoring by number plate recognition. Made to production, which reduced trucks downtime by 12%.

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.

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

TECHNICAL SKILLS

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

WORK EXPERIENCE

May 2023 -
current **Big Data Engineer,**
 Huawei Cloud

- Development of some core functionality in a transactional data lake platform.

Feb 2022 -
May 2023 **Software Engineer,**
(1.5 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 on *Apache Kafka*. The system reduced downtime of trucks by 12%.
- Created a customer-facing web UI with reports and data visualization on *PosgreSQL* and *Yandex DataLens*. Also created an internal web UI for image data analysis on *PosgreSQL*, *Yandex S3* and *Streamlit*.

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 tough combination of research part and software development dependent from the first one.
- 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).
- "The best young researcher in Earth science organizations" award (2019).

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](#)