

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

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languages: English (advanced), Russian (native)

SUMMARY

Software Engineer on Data Science projects in IT startup. The last year mainly focused on making a project of truck monitoring to production and improving results.

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.

TECHNICAL SKILLS

Python, SQL, Docker, Apache Kafka, Linux, Git

WORK EXPERIENCE

Feb 2022 - **Software Engineer**,
current (1 yr) **Digital Research** (computer vision startup)

- Integrated monitoring system in the construction industry, which reduced trucks downtime by 12%. Search for suitable open-source solutions for number plate recognition, system design of event based architecture, and development of server side processing from frames receiving to sending messages about truck passing.
- Business incubator support of a project of attendance tracking system development (based on face recognition), including door access controller development (currently on a stage of prototype testing).

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

- Transferred new technology of fractures parameters estimation from fundamental research to business (NIS-Naftagas, Serbia). Lead the project: requirements specification for tough combination of research part and software development dependent from research results, project status meetings (40 presentations), and project stages delivery (4 reports and project defenses).
- 5 years in a row of personal projects supported by main foundations (2017-2021), laboratory budget for these 5 years have been increased by 18%.
- 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.

[LinkedIn profile](#), [CV webpage](#), [GitHub profile](#)