

## GESER DUGAROV, Ph.D. | Java Developer, Big Data Engineer

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

### SUMMARY

Software Engineer developing core functionality in a Data Lakehouse platform to extract value from PB-scale data. Also [contributing to the open source](#), Apache Hudi project, with a focus on stream processing performance and usability of 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.

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

### TECHNICAL SKILLS

**Java, Python, Maven, PostgreSQL, Spark, Docker**

### WORK EXPERIENCE

May 23 - Current **Java Developer / Big Data Engineer**,  
(1.5 yrs) [Huawei Cloud](#)

- Development of core functionality of a Data Lakehouse platform for Big Data processing on enterprise-level scalable clusters.

Jan 24 - Current [Apache Hudi Contributor](#),  
(~ 1 yr) **The Apache Software Foundation**

- Contributing ([30+ merged PRs](#)) with a focus on stream processing performance and usability of solution.

Feb 22 - May 23 **Python Developer**,  
(1+ yrs) **Digital Research** (computer vision startup)

- Created an event-based architecture for a system for trucks monitoring. Developed server-side image processing (~20K images/day). In production, the system reduced fleet idle time 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 combining research and software development.
- 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.
- [60+ publications](#); 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

[Recent version of CV](#)