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| **GESER DUGAROV, Ph.D. | Java Developer, Big Data Engineer** | |
| email:  languages:  profiles: | [geserdugarov@gmail.com](mailto:geserdugarov@gmail.com)  English (advanced), Russian (native)  [LinkedIn](https://www.linkedin.com/in/geserdugarov/), [GitHub](https://github.com/geserdugarov) |

SUMMARY

Software Engineer developing core functionality in a Data Lakehouse platform to extract value from PB-scale data. Also [contributing to the open source](https://github.com/apache/hudi/pulls?q=is%3Apr+author%3Ageserdugarov), 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

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| May 23 - Current  (1.5 yrs) | **Java Developer / Big Data Engineer**,  [**Huawei Cloud**](https://www.huaweicloud.com/intl/en-us/product/mrs.html) |

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

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| Jan 24 - Current  (**~**1 yr) | [**Apache Hudi**](https://hudi.apache.org/) **Contributor**,  **The Apache Software Foundation** |

• Contributing ([30+ merged PRs](https://github.com/apache/hudi/pulls?q=is%3Apr+author%3Ageserdugarov+is%3Amerged)) with a focus on stream processing performance and usability of solution.

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| Feb 22 - May 23 (1+ yrs) | **Python Developer**,  **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.

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| 2009 – 2022  (13 yrs) | Research Assistant >> Research Associate >> **Senior Researcher** (since 2019),  **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](https://rscf.ru/en/project/19-77-00068/)), laboratory financial resources have been increased by 18% for these 5 years.

• [60+ publications](https://geserdugarov.github.io/publications.html); 4 graduate students: 3 MSc (2022\*2, 2020), 1 BSc (2020).

EDUCATION

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| 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](https://geserdugarov.github.io/file/CV_Geser_Dugarov.pdf)