

HSE University
Moscow, Russia

April 7, 2025

RE: Letter of Recommendation for the Graduate Program for Tokkozhin
Sanzhar

It is my pleasure to write this letter of recommendation for Sanzhar Tokkozhin, who successfully completed the course "Data Warehouse" in the Bachelor's program in Business Informatics at HSE University. Sanzhar took this course in the 2023/2024 academic year and demonstrated exceptional ability in mastering both the theoretical and practical aspects of data warehousing.

Throughout the course, Sanzhar gained in-depth knowledge of data storage technologies and analytical methods for building and managing data warehouses. His skills in data modeling, ETL processes, and the application of advanced data analysis techniques were evident in his course projects, where he not only applied these principles but also creatively solved complex data-related challenges. His ability to design data architecture, implement it, and perform data analysis was outstanding, which resulted in him achieving the highest grade in the class.

Sanzhar actively participated in all course activities, showed a strong aptitude for working with large datasets and developing complex data models. He was able to effectively apply these skills to real-world problems, creating data warehousing solutions with attention to detail. His proficiency in using SQL, data management tools, and understanding of data governance practices allowed him to perform tasks related to data integrity and security with great efficiency.

In addition to his academic excellence, Sanzhar demonstrated excellent team-work and communication skills. He consistently contributed to group discussions and assisted his peers in understanding difficult concepts related to data storage technologies and business intelligence applications. He is a highly motivated individual, and I believe his abilities make him an excellent candidate for any further academic or professional opportunities in the field of data management and data science.

To summarize, based on Sanzhar's demonstrated skills and academic achievements in Data Warehouse, I highly recommend him for any future endeavors in data analysis, business intelligence, or data science programs. If you have any further questions, please do not hesitate to contact me.



Sincerely,

Leonid Smelov
Associate Professor, Department of
Business Informatics
HSE University

