

Mark Bachurin

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Education

Constructor University, Germany

Sept 2024 – June 2027

Bachelor of Software Data and Technology, Minor in Mathematics

Akademeia High School, Poland

Sept 2021 – June 2024

Mathematics - A*, Russian - A*, Physics - A, Computer Science - B

Technical Skills & Experience

Languages: Python, C/C++, SQL, Kotlin, Dart

Data/ML: Pandas, Numpy, Airflow

Cloud: AWS (S3, Athena, Glue, Lambda)

DevOps: Docker, Git, Linux, macOS

Web/UI: HTML/CSS, Flutter

Methods: Data structures and Algorithms, Agile/Scrum

Work Experience

mBank Services Internship I – Proof-of-Concept (PoC) AI bot to support Design System Users *Mar 2023 – Jul 2023*

Datasets preparations, AI model training, Documentation Scripting

- Designed and trained an AI chatbot model with custom datasets to assist developers in navigating System Design Documentation.
- Wrote clear documentation and user guides for developers.

JetBrains Internship II – Data Engineering Intern - JetBrains Data Office (Analytics Platform Team) *Jun 2025 – Sep 2025*

Data Engineering Branch of the Analytics Platform Team

- Was responsible for optimizing and maintaining analytical data pipelines across JetBrains products.
- Designed and optimized Airflow DAGs for data collection, transformation, and validation, ensuring compliance with GDPR and company standards.
- Improved data accessibility, visualization, and analytics workflows for JetBrains developers, using Amazon Web Services-based data infrastructure (S3, Lambda, Athena).

Extracurricular Activities

Leadership

Sep 2025 – Present

Software Data and Technology Major Representative

- Act as liaison between students, faculty, and administration to improve academic experience.
- Coordinate student feedback and represent the major in department meetings and university initiatives.

Languages

English (C2), Russian (Fluent), Polish (B2), German (currently studying for B1)

Olympiads

2022:

- **UKMT** British Mathematical Olympiad Round 1 - **Certificate of Merit**
- **BPhO** Online Senior Physics Olympiad - **Silver Award**

2023:

- **UKMT** Senior Mathematical Challenge 2022 - **Gold Certificate**
- **UKMT** Senior Mathematical Challenge 2023 - **Gold Certificate**