Dmitrii Cherkashin

Lisbon | www.linkedin.com/in/dimstunt | +351 912 587 670 | mit.cherkashin@gmail.com

WORK EXPERIENCE

Anabar   **Remote**
Senior Data engineer   *02/2023 – 06/2024*

- Responsibilities:
  - Designed and implemented scalable and efficient data processing pipelines using Airflow, Trino, and ClickHouse in a Yandex Cloud environment.
  - Optimized data storage and query performance in ClickHouse.
  - Contributed to the migration from a monolithic architecture to a microservices-based architecture using FastAPI.
  - Collaborated with cross-functional teams to understand data requirements, design appropriate solutions, and ensure data quality and consistency.
  - Promoted best practices in data engineering and shared knowledge through technical presentations and mentorship.
- Achievements:
  - Reduced data processing time from 17 hours to 7 hours, improving SLA compliance from 70% to 95%.
  - Achieved a 40% reduction in storage usage by optimizing data storage in ClickHouse.
  - Improved p90 query response times from 20 seconds to under 1 second.
  - Enhanced team knowledge and practices in data engineering through effective mentorship and technical presentations.

Agro.club   **Moscow, Russia**
Lead Data Engineer   *09/2021 – 11/2022*

- Responsibilities:
  - Hiring and managing DWH team from scratch.
  - Developing a strategy for the DWH division.
  - Setting and monitoring deadlines.
  - Developing processes within DWH and building the process of interaction with business users.
  - Designing and engineering Data Warehouse architecture via Data Vault.
  - Building ETL pipelines from various sources (MongoDB, Postgres, API) into the Data Warehouse using Airflow.
  - Developing a data synchronization system with partner ERP systems and PostgreSQL backend database.
  - Implementing Data Quality checks and Data Governance approach.
  - Organizing raw data delivery to the analytical database
- Achievements:
  - Established and led a Data Warehouse team, ensuring effective data management and integration.
  - Designed a scalable Data Warehouse architecture using Data Vault methodology.
  - Developed robust ETL pipelines, enhancing data flow and accessibility.
  - Created a data synchronization system, improving data consistency across partner ERP systems.
  - Enhanced data quality and governance, ensuring reliable and compliant data management.
  - Accelerated the generation time of business reports from 1.5 hours to 1-2 minutes, significantly improving data accessibility and decision-making speed.

Citymobil   **Moscow, Russia**
Senior Data Engineer   *06/2020 – 09/2021*

- Responsibilities:
  - Built ETL pipelines from different sources (MySQL, Clickhouse, Kafka API) into the Data Warehouse using Airflow.
  - Implemented online replication (CDC) from MySQL to Kafka to Exasol.
  - Designed and implemented DDS Loader using Airflow DAGs and Operators.
- Achievements:
  - Developed architecture for Self-Service Replication to facilitate "one-click" replication of tables.
  - Enhanced the structural integrity and utility of the data warehouse by implementing a detailed architectural framework using DataVault methodology.

WORK EXPERIENCE

Mail.ru group   **Moscow, Russia**
Senior System Analyst DWH   *11/2018 – 06/2020*
- Responsibilities:
  - Created a DWH data model for Delivery Club.
  - Developed ecommerce user portrait reports for Mail.ru Group using Tableau.
  - Supported Spark scripts for data handling and processing.
  - Created a logical data model for Citymobil from scratch.
- Achievements:
  - Reduced the time from task creation to reporting to production from 3 weeks to 1 week.
  - Improved data processing and visualization capabilities, enhancing decision-making and operational efficiency.

Tinkoff bank   **Moscow, Russia**
System Analyst DWH   *10/2017 – 11/2018*
- Responsibilities:
  - Designed integration to receive checks from the national payment card system.
  - Designed and prototyped Data Model and Data Marts using Data Vault architecture via SAP PowerDesigner.
  - Worked with DBMS GreenPlum and Vertica, ETL tools SAS DIS and Informatica PC, BI tools SAS EG, SAP BO, Zeppelin.
  - Wrote BRD (Business Requirement Documents) and FSD (Functional Specification Documents).
- Achievements:
  - Successfully integrated with the national payment system, ensuring efficient receipt and processing of checks.
  - Developed and implemented an effective data model that enhanced the quality and accessibility of data for analytical queries.
  - Optimized data handling processes and improved the efficiency of analytical reporting.

EDUCATION

Lomonosov Moscow State Univercity   **Moscow, Russia**
Bachelor   *2018*
- Specialization in Mathematical Physics in the Department of Computational Mathematics and Cybernetics

SKILLS

• Python • SQL • Scala • GreenPlum • Vertica • PostgreSQL • ClickHouse • MySQL • Exasol • MongoDB • Trino
• Spark • Hive • Kafka • KSQL • Debezium • Faust • NiFi • Airflow • dbt • SAS DIS • Informatica PC • SAP BO
• Mode • Tableau • Apache Zeppelin • Superset • Redash • Metabase • Yandex Cloud • Amazon S3 • AWS
• Docker • k8s • Grafana • Sentry • Git • GitHub • GitLab • Atlassian • Jira • Data Modeling • Data Architecture
• Data Engineering • Data Analysis • Systems Analysis • ETL

LANGUAGES

- **Russian:** Native speaker
- **English:** B2

INTERESTS

- Running • Climbing • Snowboarding • Surfing