Eduard Vlasov

Staff Software Engineer | Data Platforms and Distributed Systems

Amsterdam, Netherlands

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Summary

Staff Software Engineer focused on distributed systems, infrastructure, and large-scale data platforms. Combines hands-on systems engineering with cross-team technical leadership across architecture, platform standards, production optimization, and end-to-end delivery. Experience spans event-driven architectures, streaming systems, and low-level performance optimization. At Miro, builds and evolves data-processing infrastructure that powers analytics and product features.

Experience

Miro Amsterdam, Netherlands

Staff Software Engineer *March 2022 -- Present*

- Designed and rolled out a standard data-collection approach across 15+ product domains, with documentation for engineers and coding agents; reduced integration effort from two weeks to a single commit
- Co-designed the company-wide Pub/Sub event bus built on Kafka and an in-house SDK
- Owned the event-tracking (clickstream) platform, processing 5 billion events per day, used by most teams at Miro
- Reduced end-to-end analytics latency from daily batch delivery to approximately 2 hours, with a target of sub-10-minute delivery
- Cut data storage costs significantly through hands-on optimization work
- Technical lead for an 11-engineer data team, collaborating with about 30 engineers across adjacent teams
- Expanded scope across multiple infrastructure domains, reporting to the Head of Infrastructure since July 2026

Senior Data Engineer *December 2019 -- March 2022*

- Scaled the event collection system through 10x traffic growth in 2020 by removing critical bottlenecks
- Designed a scalable analytics ingestion architecture spanning sharded PostgreSQL, Redis, and DynamoDB sources
- Implemented streaming and batch pipelines on Kafka, Spark (Databricks), Airflow, Snowflake, and dbt
- Hired and onboarded engineers to scale the data teams through hypergrowth

Data Engineer *March 2018 -- December 2019*

- Built Miro's initial clickstream collection system, core data pipelines, and third-party integrations
- Managed data infrastructure, developed data models, and supported BI and analytics

ER-Telecom Holding Russia

Oracle Database Developer *March 2012 -- March 2018*

- Developed core billing modules in Oracle for a major Russian broadband operator with millions of subscribers
- Tuned complex PL/SQL procedures and SQL queries over very large data volumes in critical billing workloads
- Introduced new technologies and development practices to the team and built internal developer tooling

Skills

Programming: Java, Kotlin, Scala, Python, SQL, PL/SQL, Bash, C, C++, Rust
Data: Kafka, Spark, Databricks, Snowflake, dbt, Airflow, CDC, outbox pattern, Pub/Sub, clickstream, BI
Databases: PostgreSQL, Redis, DynamoDB, Oracle Database, database sharding
Cloud and Infrastructure: AWS, Kubernetes, Terraform, Docker, Helm, Ansible, Linux, Git, CI/CD
Engineering: Distributed systems, system design, performance tuning, operating systems, computer architecture
Languages: English (full professional), Russian (native)

Awards

World IT-Planet 2016/17, 1st place in SQL, June 2017 | ACM ICPC, regional semi-finalist several times, 2010 -- 2013

Education

Perm National Research Polytechnic University *Perm, Russia*

Specialist degree (2009--2014) and Master's degree (2014--2016), Computer Software Engineering