

# Alexey Akhundov

✉ me@theseems.ru

⌚ theseems

↗ @theseems

🌐 theseems.ru

LinkedIn Alexey Akhundov



## Summary

Software Engineer (Java/Python) focused on backend and data platforms. At Yandex, build internal services that deploy and operate Flink jobs at scale; shipped a JobGraph compilation flow that reduced average job startup time by 70%. Comfortable owning production systems end-to-end: design, implementation, CI/CD, observability, and on-call improvements. Inclined towards distributed systems (Flink, ZooKeeper) and data stores (PostgreSQL); open-source contributor in my spare time.

## Employment History

May 2023 – ....

### ■ Yandex, Middle+ Software Engineer

*Junior (May 2023) → Middle (May 2024) → Middle+ (Aug 2025)*

Internal platform for data engineers: deploy and operate Flink jobs/clusters.

Stack: Flink, ZooKeeper, Spring Boot, PostgreSQL, jOOQ, Liquibase.

#### Achievements:

- Reduced Flink job startup time by **70%** (in-service JobGraph compilation).
- Built CI/CD for clusters and jobs; implemented system for business-facing job metrics collection.
- Improved alerting, reduced noise; maintained connectors (YDB, ClickHouse, YT).
- Mentored an intern to a full-time role.

December 2021 – May 2023

### ■ Sber, Junior Software Engineer

Products for cash circulation support (cash collection forecasting). Migrated services to the internal cloud (Open-Stack) and developed integration logic. Technologies: Git, Atlassian stack (Jira, Confluence, Bitbucket), Java, Spring.

August 2021 – December 2021

### ■ VBC, Intern Java Developer

Worked in a microservices architecture (Netflix stack): implemented complex business logic and optimized PostgreSQL interactions. Developed a flexible credit pricing service that accounts for company/individual history, bank rules, limits, and requirements.

## Education

September 2024 – ....

### ■ M.Sc. Higher School of Economics, Faculty of Computer Science, Artificial Intelligence

## Education (continued)

September 2020 – July 2024

- **B.Sc.** Higher School of Economics, Faculty of Computer Science, Software Engineering  
GPA: 8.28  
Top 9% of cohort  
Relevant coursework: Software Architecture, Distributed Systems, Algorithms, Software Engineering, Web Development, Backend Development

## Skills

- |                    |  |
|--------------------|--|
| Languages          | ■ English (B2), Russian (native).  |
| Programming        | ■ Java, Kotlin, Python, TypeScript, Go, L <sup>A</sup> T <sub>E</sub> X. |
| Databases          | ■ PostgreSQL, Redis, MongoDB.  |
| Frameworks & Tools | ■ Spring, Apache Flink, Django, React, Svelte, Docker, Kubernetes.       |

## Interests

- Data Engineering, Backend Development
- Distributed Systems, Data Analytics
- Data Visualization, Machine Learning

## Miscellaneous Experience

### Awards and Achievements

- |      |  |
|------|--|
| 2020 | ■ <u>2nd degree diploma</u> , Lomonosov Olympiad in Mathematics (MSU)        |
|      | ■ <u>2nd degree diploma</u> , Open Olympiad in Informatics (ITMO University) |
| 2019 | ■ <u>3rd degree diploma</u> , Rosatom Olympiad in Mathematics (NRNU MEPhI)   |

## Open Source Projects

- |                                   |  |
|-----------------------------------|--|
| Java, Minecraft mod               | <u>PacketPray</u> - Minecraft mod that mitigates crash scenarios related to network packets; 2.5M+ downloads on CurseForge.  |
| Svelte/Go, Wishlist app           | <u>Wili</u> - full-stack wishlist application with create/share functionality, public pages, and Telegram Mini App integration. Features Yandex ID authentication and mobile-friendly UI. Built with SvelteKit + TypeScript (frontend) and Go microservices (backend) using PostgreSQL and MongoDB. Deployed to Yandex Cloud via GitHub Actions. |
| Java, Validation library          | <u>ClinQ</u> - LINQ-inspired validation library providing fluent method chains, mappings, dependency checks, and reusable validators.  |
| Python, Similar Developers Search | <u>SimDevSearch</u> - pipeline that processes GitHub repositories to find developers with similar coding and commit styles using cosine similarity.  |

## **Open Source Projects (continued)**

---

Svelte, Personal page      [theseems.ru](https://theseems.ru) - personal website showcasing background and pet projects.