

# Mikhail Surin

## Curriculum Vitae

25/1-24 Oktyabrskaya str.  
143980 Zheleznodorozhny  
Russia

☎ +7 (925) 705 32 46

✉ surinmike@gmail.com

🌐 ssmike

## Education

- 2013–2017 **Bachelor of Computer Science**, *Moscow Institute of Physics and Technology (State University)*, Russia, Dolgoprudny.
- 2017–2020 **Master of Computer Science**, *Moscow Institute of Physics and Technology (State University)*, Russia, Dolgoprudny.

## Experience

May 2022 – **Senior software engineer**, *Yandex*, Moscow.

Now YDB query processor team.

Key qualifications & responsibilities:

- worked on query compiler, optimizer and query execution runtime
- reworked predicate pushdown logic
- reworked query execution model for OLTP pipeline
- Key technologies: C++, actor model,

Sept. 2019 – **Senior software engineer**, *Yandex*, Moscow.

May 2022 yandex base search team.

Key qualifications & responsibilities:

- developed and maintained lower levels of search runtime, search index build pipeline and related infrastructure.
- designed and developed low latency network storage for search index with erasure coding support.
- designed and developed control plane for network storage with support of node/data evacuation and load balancing
- led team of 3 developers
- Key technologies: C++, MapReduce, Linux AIO, io\_uring

Sept. 2018 – **Software engineer**, *Yandex*, Moscow.

Sept. 2019 yandex base search team.

May 2017 – **Software engineer**, *Yandex*, Moscow.

Sept. 2018 news.yandex.com infrastructure team.

Key qualifications & responsibilities:

- developed and maintained news scraping robot;
- designed and developed distributed scheduler for checking news availability;
- designed and developed fault tolerant storage for news documents;
- designed fault-tolerant stream clustering service
- Key technologies: C++, Zookeeper, Redis, MapReduce;

Oct. 2016 – **Junior software engineer**, *Yandex*, Moscow.  
May 2017 news.yandex.com infrastructure team.  
July 2016 – **Software engineering intern**, *Yandex*, Moscow.  
Sept. 2016 news.yandex.com infrastructure team.

---

## Awards

2014 IMC – Second prize (107th place)  
2014–2015 ACM ICPC Finals – 28th place

---

## Languages

Russian Native speaker  
English B2  
Spanish B1

---

## Extra

- 2016-2018 – student at Yandex School of Data Analysis
- 2017 - Jepsen bindings for verification of serializable snapshots
- 2020 - Data structures for consensus algorithms on persistent memory