



Contact

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📍 Omsk, Russia

Skills

- C/C++(11-20)
- Rust, Go
- Concurrency
- Kafka
- Distributed systems
- Git, Cmake, Linux
- PostgreSQL
- jRPC, protobuf
- GRASP Patterns, SOLID, ACID

Education

Student at Omsk State University -
applied mathematics and computer
science
(2020 - 2024)

Language

English (B1)

Russian (Native)

Arkady Rudenko

C++/Rust developer

I'm interested in distributed systems, distributed computing, concurrency, algorithms & data structures, databases. I have taken several courses from mipt on these topics.

Experience

○ Aug 2022 - now

CSoft I Omsk, Russia

C++ developer

Development and support framework for concurrency. Work with the I/O of the visualizer, work with point clouds.

C++, STL, Assembler, Git, CI/CD, TBB, Assimp, AucoCAD

Projects

○ Oct 2022 - now

Distributed Systems I Omsk, Russia

C++ developer

I took a [course](#) from mipt. I can use concurrency and RPC to build distributed systems. Understanding design and algorithms: RSM, [Multi]Paxos/Raft (Chubby/ZK), GFS, 2PC (Spanner), Calvin (YDB), Bitcoin, HotStuff.

C++20, Concurrency, Kafka, ZooKeeper, LSM Tree, TLA+

○ May 2022 - Oct 2022

Concurrency framework I Omsk, Russia

C++ developer

I took a [course](#) from mipt and developed my [own concurrency framework](#) with various approaches: coroutines, fibers, scalable scheduler, futures, channels, timers, etc.

I also started to develop the stackless-coroutine [framework](#) on C++20

C++20, Linux, Cmake, STL, Assembler, C++ coroutines

Additionally

- I'm interested in advanced data structures and algorithms. I'm solving problems [here](#).
- I'm gradually solving distributed systems challenges in Rust [here](#).
- Also I developed some REST applications on Go, Rust and Python.

Rocket, Tokio, PostgreSQL, Gin-Gonic, FastApi