Shprenger Konstantin Aleksandrovich

About Myself

System level software engineer. Experienced in distributed computing and concurrent programming. Currently focusing on studying Byzantine Fault Tolerance.

Education

- Institut Polytechnique de Paris
  - Télécom SudParis school
  - Master: "Parallel and Distributed Systems track (PDS)" (education period: Aug 2025 - Aug 2027)

- ITMO University
  - Faculty of Software Engineering and Computer Systems
  - Bachelor: "System and applied software" (education period: Aug 2021 - Aug 2025)

- Lyceum at the Tomsk Polytechnic University
  - Education period: Aug 2019 - Aug 2021

Research

- DAG-based Blockchains

Job Experience

- YADRO SAN Control Path Software engineer (06.2024-Present)
  - SAN Cluster manager development
  - Control subsystem platform development

Personal projects

- RAFT Consensus protocol implementation (Capstone)
- Webrtc desktop application for screen sharing
- Runtime for stackful fibers and lazy futures
- YDB Rust SDK Nearest data center balancer

Skills

- Experience with programming languages:
  Rust, C/C++, Golang, Assembly x86_64/ARM/RISC-V
- Theoretical DS
- Consensus protocols
- Blockchains
- Lock-free & Wait-free algorithms
- Transactional memory
- In-Depth knowledge of systems: Jepsen, ETCD, PostgreSQL, Clusterlabs Pacemaker

Additional

- English C1 Advanced level

Contacts

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