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Education

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| 2019 ↓ today | Moscow Institute of Physics and Technology - Phystech School of Applied Mathematics and Informatics - Engineering and Computer Science Bachelor's degree. |
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Work and teaching experience

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| Feb. 2021 ↓ July 2022 ↓ Aug. 2022 ↓ today ↓ 2021, 2022 | Tinkoff - Credit and brokerage systems - Junior specialist Backend Scala development: <ul style="list-style-type: none">• Maintenance and development of several in-house microservices.• Integration of message brokers: RabbitMQ and Kafka.• Integration of databases: MongoDB and PostgreSQL.• Implementation of several significant business features in online credit broker. Mosaic Research - Crypto HFT - Backend engineer Backend C++ development: <ul style="list-style-type: none">• Development and maintenance of infrastructure for crypto trading. Summer school «Slon» in Pushchino - Volunteer-tutor Courses taught: Formal languages, Mathematical logic, FP in Scala, Python from scratch. |
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Courses

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| 2021 | MIPT - Concurrency course C++. Implementation of simple concurrency library: fibers, futures, thread pool. |
| 2021 | MIPT - Distributed systems C++. Implementation of distributed consensus and replication algorithms: paxos, multi paxos, raft. |
| 2020 | Tinkoff.Fintech - Scala development course Scala. Implementation of StopLoss-TakeProfit service integrated with tinkoff.investments. |
| 2019 ↓ 2020 ↓ 2017 ↓ 2019 | Mail.ru - Introduction to production programming and data structures C, C++. Implementation of stack machine emulator and high-level language compiler for it. Air engineering school in Russia - Sounding rocket payload development C for AVR and STM32. Development of on-board firmware and peripheral drivers. |

Projects

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| 2020 | gainy - Service with REST API Scala. StopLoss-TakeProfit service integrated with tinkoff.investments. |
| 2019 | PEGgen - Command line utility Python3. Generation of recursive descent parser from formal grammar. |
| 2021 | yaelc - Compiler of java-like language C++. Scanner (GNU Flex), LR-parser (GNU Bison), AST, type table. |
| 2017 ↓ 2019 | librses - Peripheral drivers library for AVR C for AVR. Driver for Iridium9602 modem and testing of other modules. |

Skills

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| Programming languages | Scala, C/C++, Python3 |
| Technologies | MongoDB, PostgreSQL, RabbitMQ, Kafka |
| Frameworks and libraries | ZIO, cats, fs2, akka-http |
| Tools | git, sbt, Gitlab CI, liquibase |
| Languages | Русский(родной), English(intermediate) |