Nadutkin Fedor

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EDUCATION

ITMO University	Saint Petersburg, Russia
Masters in Programming and Artificial Intelligence	*Sep. 2023 – Present*
ITMO University	Saint Petersburg, Russia
Bachelor's in Applied Mathematics and Informatics	*Sep. 2019 – Aug. 2023*
Route 256	Ozon Company
Go Middle Developers Courses	*May 2023 – Jul. 2023*

EXPERIENCE

Dzen | *Java, Go* | *Search Team, Text Team, Sport Team* | Dzen product   July 2023 - Present

- Developed specialized search verticals for short videos and mixed media, enhancing search functionality and user engagement.
- Transitioned Dzen articles and briefs from the outdated draft.js format to the advanced quill delta editor, improving content management efficiency.
- Coordinated comprehensive coverage of the 2024 Olympic Games within Dzen Sports, significantly increasing user interaction and site traffic.
- Integrated real-time updates and featured content for major basketball and volleyball tournaments into Dzen Sports News, boosting live event engagement.

SmartHomeDevices | *Java, Kotlin* | *Integration with Partners* | The Site of company   May 2022 - July 2023

- Developed a tool to accurately extract product attributes such as weight, volume, size, and quantity from product names, enhancing inventory management.
- Redesigned the showcase generation service, optimizing its performance and improving user experience.

Developer Soft / DevExpress | *C#* | *Data Visualization and Analysis* | The site of the company   Aug 2021 - Mar 2022

- Designed and implemented custom aggregate functions, enhancing data processing capabilities.
- Developed and integrated diagnostic collection features, improving system monitoring and troubleshooting.
- Implemented a tree isomorphism algorithm to facilitate the visualization of log trees, aiding in data analysis and debugging.

PROJECTS

Bin | *Bash* | ⌂ Bin   Dec 2020

Big-Integer | *C++* | ⌂ BigInteger   June 2020

Concurrent Algorithms | *Java, Kotlin* | ⌂ Concurrent Algorithms   Jan 2022

- Concurrent-Friendly Skip-List
- Concurrent HashTable
- And others...

Hi Language Interpreter | *Haskell* | ⌂ Hi   Jan 2022

Distributed Algorithms | *Kotlin, Java* | ⌂ Distributed Systems   June 2022

- Consistent Hashing
- Raft Consensus Algorithm
- And others...

Software Engineering | *Java, Kotlin* | ⌂ Software Engineering   Sep 2022 - Apr 2023

- Implemented various programming patterns like reactive programming and event sourcing.

Highload | *Java* | ⌂ Highload   Sep 2022 - Jan 2023

- Parallel request processing and async execution server.
- Sharding and replication.
- Range requests.

Technical Skills

Programming Languages: Java, Kotlin, Go, SQL, Python, Bash

Frameworks and Libraries: Spring Boot, Hibernate, Ktor, Exposed Framework

Development Tools: Git, Maven, Gradle, Docker

Databases and Messaging Systems: PostgreSQL, MongoDB, Redis, Yandex Database (YDB), Yandex Table (YT), Apache Kafka, Apache Ignite

Monitoring Tools: Grafana, Prometheus, Kibana

Testing Frameworks: JUnit

Communication Protocols and Data Formats: gRPC, JSON

Database Versioning Tools: Liquibase, Flyway