

Andrei Sukharev

Software Engineer

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SUMMARY

Experienced software engineer specializing in backend development. Proven track record in designing and implementing high-performance, scalable, and fault-tolerant services across diverse industries. Winner of multiple hackathons and a graduate of top programming schools. A collaborative team player with a passion for innovation.

EXPERIENCE

Rakuten

Tokyo, Japan
Feb. 2022 - Present

- *Software Engineer, Cashback calculation system*

Java Micronaut Kafka Cassandra MariaDB CouchBase Consul gRPC

- Using CQRS (read/write separation) increased **performance** by 6%, achieved independent **scalability**, improved **maintainability**
- Engineered a **retry mechanism** for **failed Kafka messages**, **reducing error rates by 20%** and **enhancing user experience**
- **Reduced latency by 70%** through the integration of in-memory and distributed **cache**.
- Designed a **diff tool** to validate data during the **migration** between CouchBase and Cassandra, **reducing error rates by 8%**

Sberbank-Technology

Moscow, Russia
Feb. 2021 - Feb. 2022

- *Software Engineer, Source code migration tool*

Java Spring Boot PostgreSQL React TypeScript

- Built **code initializer** to generate a project with target dependencies from the source.
- Implemented the **observer pattern** for the git repository updates, **increasing the speed** of code initialization **from 10 to 1 sec**.
- Made a service **extendable** and **easily maintainable** by designing an **orchestration service** to run Spring Boot starters.
- Developed MVP frontend app from scratch and brought it to production alone.

ProTranslating, Inc

Miami, USA (Remote)
May 2019 - Feb. 2021

- *Full Stack Developer, A payment system for language service provider*

JavaScript Node.js Vue.js MongoDB

- Developed **REST API** and designed **Database schemas** for creating invoices
- Built **client-side** components for generating/showing invoices
- **Improved performance by 10%** by replacing multiple queries with the single MongoDB **aggregation pipeline**.
- Tested using **end-to-end testing** framework, resulting in a **75% reduction** in the time required to **detect and fix issues**.

EDUCATION

National Research University Higher School of Economics

Moscow, Russia
Sept. 2018 - June 2020

- *Master's degree in Innovation Studies*

Irkutsk State University

Irkutsk, Russia
Sept. 2014 - June 2018

- *Bachelor's degree in Economics, Information and Mathematical Administration*

PROJECTS

LADL - the app for improving communication skills through debate games

[Google Play](#) [App Store](#)

- TypeScript ReactNative MongoDB

A chat in real-time, opponents matching, notifications (push, email), authentication, and authorization

QR Payment - Payment system utilizing QR Codes

[GitHub](#)

- SpringBoot Postgres MongoDB, Cassandra, Kafka, Docker, API-Gateway, Service Discovery, Circuit-breaker, Gatling, CI

Monorepo project with the goal to implement highly available and scalable microservice architecture on the base of payment system.

ACHIEVEMENTS

- **Hackathons winner**, 2019-2020 - Auth0(US), HackTrain(London), Junction(Helsinki), Huawei(Moscow)
- **Programming School 42**, 2021 - graduated in Computer Science
- Software License, 2019 - **Author of Intellectual property** for a computer program
- **Arab Innovation Academy Qatar**, 2019 - graduated from the Technical Entrepreneurship Program

SKILLS

- **Programming Languages**: Java(SpringBoot, Micronaut), JavaScript(Node.js, Vue, React), Python(Flask)
- **Technologies**: PostgreSQL, MongoDB, Cassandra, Couchbase, Docker, Kafka
- **Languages**: English(fluently), German(basic), Japanese(basic), Russian(native)