

Egor Konyk

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SUMMARY

Has a strong background in problem-solving and algorithmic thinking developed through 6+ years of Olympiad programming. Self-employed mobile and backend developer for 4+ years.

WORK EXPERIENCE

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Nov 2021 — Present

Self-employed: mobile and backend developer

- Launched a comprehensive full-stack mobile app for seamless interaction with the school diary site, attracting **50,000+ daily active users**, being a **top 100 educational app** on the App Store in Russia.
- Utilized S3 storage for the diary-saving function, leading to a substantial **55% reduction in storage costs**.
- Reduced diary processing time by applying database indexes, resulting in an **88% improvement**.
- Built a task queue for user diary updates, **cutting processing times by 67%** through processing distribution.
- Improved scalability and manageability of the project through migration to Kubernetes.

Yandex

Jul - Oct 2023

Backend developer: internship in CRM-platform team

- Redesigned the authorization system of the service and significantly simplified future creation of roles and rights utilizing internal authorization services.
- Developed and implemented a new service to efficiently manage support message brokers through web app.
- Designed a feature that distributes high volumes of support events among projects leveraging YTsaurus as data storage and MapReduce for processing.

Freelance

Nov 2021

Python developer

- Created the largest list of microbes with experimentally determined growth conditions for scientific work, containing more than **25,000 entries** taken from 20 difficult-to-use websites.

PROJECTS

- Enhanced Subtitles** (chrome extension that enables ChatGPT for Netflix subtitles: nodejs)
- English Words** (full-stack mobile app for learning english words: Golang, Flutter, Redis, PostgreSQL, gRPC, Kafka)

EXTRA-CURRICULAR ACTIVITIES

- ICPC 2023–2024, Northwestern Russia Regional Contest, 1/4** (*top 35 among 101 teams*)
- All-Russian Olympiad in Informatics **2020/21** (*place 294 out of 100,000+*), **2021/22** (*place 228 out of 100,000+*), **2022/23** (*place 120 out of 100,000+ — prize-winner*)
- Codeforces** (*rating 1731*)

PUBLICATIONS

- Karla Helena-Bueno, Charlotte R. Brown, **Egor Konyk**, Sergey Melnikov: Genome sequences hot and cold: a database of organisms with defined optimal growth temperatures, [biorxiv](#), December 23, 2021.

SKILLS

Languages: Go, C++, Python, Dart, Java, Kotlin

Databases: PostgreSQL, MongoDB, Redis

Other: Algorithms and data structures, gRPC, JWT, Websockets and Long Polling, Message Brokers, Kubernetes, CI/CD, Grafana, Prometheus