

EGOR KONYK

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SKILLS

Languages	Go, C++, Python, Dart
Frameworks	Flutter
Tools	Unix, GitHub, Docker
Databases	PostgreSQL, MongoDB, Redis
Other	Algorithms and data structures, gRPC, JWT, Websockets and Long Polling
Soft Skills	Communication, Time Management, Accountability, Curiosity

PROJECTS

bot (commercial) Python (aiohttp, pydantic, aiomultiprocessing), PostgreSQL, HTML, JS, CSS botkz.me

- Developed a VKontakte chatbot so that students across the country could interact with the school diary site without leaving their messaging app.
- Struggled while reverse-engineering school diary API and built a code interface to use it.
- Implemented a user subscription and payment processing using the acquiring API of Sberbank and earned more than \$1,500 for the entire lifetime of the project.
- Created the feature of sending notifications about school mark updates within a few minutes.

awwe (commercial) Golang, Dart (Flutter), Redis, PostgreSQL, Msgpack, Docker awwe.pw

- Built a full-stack cross-platform mobile app that allows you to interact with the school diary site, reaching over 400 daily active users.
- Implemented the diary saving feature which allowed students to check their assignments even when the school site is down.
- Taught myself Golang, rewrote previous project's diary API from Python and implemented REST API.
- Applied best practices of implementing authorization using JWT and refresh tokens.
- Significantly sped up backend response times with caching using Redis.
- Saved my time deploying project with Docker, easily transferring project from one VM to another.

English Words Golang, Dart (Flutter), Redis, PostgreSQL, MongoDB, gRPC, Kafka, Docker [GitHub](https://github.com)

- Developing a full-stack mobile application to expand your English vocabulary.
- Applied microservices architecture and communicated between them with gRPC and Apache Kafka.
- Partially covered with tests including unit, mock, and integration testing.

EXTRA-CURRICULAR ACTIVITIES

- All-Russian Team Olympiad in programming 2021/22 (place 118 out of 297)
- All-Russian Olympiad in Informatics 2020/21 (place 293 out of 383), 2021/22 (place 228 out of 384)
- Codeforces (rating 1631)

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](https://doi.org/10.1101/2021.12.23.464444), December 23, 2021.