

Yerevan, Armenia
Ready for relocate/remote

ALEXANDER FROLOV

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EMPLOYMENT

Junior Software Engineer	Huawei Research Institute	Oct. 2022 – Oct. 2023
<ul style="list-style-type: none">• Worked on developing open-source static analysis benchmarking cloud Spring services and React frontend for them.• Suggested, developed and implemented service for static analysis tool demonstration (including pod orchestration), integrated it into existing Kubernetes cluster.• Managed cluster infrastructure, configured Kubernetes for new components, deployed the project into cluster.• Stats: Hits of Code 95.5k in 18 months, TOP-1 additions in project, 320 PRs merged, opened 104 issues, 87 of which were resolved, drove weekly meetings, mentored an intern.• Stack: <i>Kotlin Spring WebFlux, Spring Security, Spring Data, Kubernetes, Kotlin React, webpack, Kotlin Native, Ktor.</i>		
Software Engineer Intern	Huawei Research Institute	Oct. 2021 – Oct. 2022
<ul style="list-style-type: none">• Fullstack developer of cloud services for software developers - SaveOurTool.• Worked on Kotlin static analysis tool - diktat.		

EDUCATION

Moscow, Russia	Lomonosov Moscow State University	Sept. 2019 – June 2023
<ul style="list-style-type: none">• Graduate of the Computational Mathematics and Cybernetics department, Computing Systems and Automation. GPA: 4.4.• Developed an IoT app that is used for medical telemetry data collection and processing Stack: <i>Kotlin Android, Jetpack Compose, Room, ktor, MQTT, Bluetooth LE.</i>• TL'd a team of 3 students, owned backend designing, mentored a younger student.• Thesis topic: Development of data collection application for simultaneous handling of multiple IoT (Internet of Things) devices: medical telemetry case study. HoC: 56k.		

TECHNICAL EXPERIENCE

Personal Projects

- [kotlin-js-preview](#) (2023). IDEA plugin for Kotlin/React functional component preview.
Stack: *Kotlin MPP, IntelliJ Plugin Platform SDK.*
- [teamvolikbot](#) (2022). Telegram bot for organizing and signing up for real-life volleyball games. Made for the local volleyball community (~60 people).
Stack: *Python, SQLite, Telegram API, PyCharm.*
- [MGT](#) (2021). Web-server which solves a graph problem - finding the most vital node of the graph (performing special calculations with articulation points of a graph).
Stack: *C++, Docker, POSIX API (sockets), VIM.*
- [Fractals](#) (2019-2023). Application which draws fractals in GUI. Has the ability to zoom. Written in four different languages: Java (*IntelliJ Idea, Swing*), C++ (*Qt, multithreading, Qt Creator*), C# (*.NET, MSVS*) and Kotlin (*IntelliJ Idea, Compose UI, Kotlin Coroutines*).

LANGUAGES AND TECHNOLOGIES

- **Languages:** *Kotlin* (Proficient); *Python* (Proficient); *C/C++* (Proficient); *Java* (Prior Experience); *C# .NET* (Prior Experience); Unix shell scripting; Intel x86 assembly (*NASM, GAS*); *MySQL*.
- **Platforms:** *IntelliJ Idea; Eclipse; Qt Creator; CLion; PyCharm; Jupyter Notebook; VIM.*
- **Technologies:** *Kotlin Multiplatform; Kotlin Coroutines; Spring Boot; React; Kubernetes; GitHub Actions; reactive programming; multithreaded programming; network programming; POSIX API; Qt; Git; Docker.*
- **Native languages:** English (Advanced); Russian (Native).

