Yerevan, Armenia

ALEXANDER FROLOV

Ready for relocate

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EMPLOYMENT

Junior Software Engineer   **Huawei Research Institute**   **Oct. 2022 – Oct. 2023**

- Working on developing open-source static analysis benchmarking cloud services (https://github.com/saveourtool). Hits of Code: 95.5k in 18 months, TOP-1 additions in project, 320 PRs merged .
- Developed and implemented service for static analysis tool demonstration (including pod orchestration), integrated it into existing Kubernetes cluster (Kotlin Spring WebFlux, Spring Security, Spring Data, Kubernetes, Kotlin React, webpack, Kotlin Native, ktor).
- TL'd an intern, opened 104 issues, 87 of which were resolved, and drove weekly meetings.

Software Engineer Intern   **Huawei Research Institute**   **Oct. 2021 – Oct. 2022**

- Worked on developing cloud services for software developers - SaveOurTool.
- Worked on Kotlin static analysis tool - diktat.

EDUCATION

Moscow, Russia   **Lomonosov Moscow State University**   **Sept. 2019 – June 2023**

- Graduate of the Computational Mathematics and Cybernetics department, Computing Systems and Automation. GPA: 4.4.
- Developed IoT app that is used for medical telemetry data collection and processing (Kotlin Android, Jetpack Compose, Room, ktor, MQTT, Bluetooth LE).
- TL'd a team of 3 students, owned backend designing, suggested a thesis topic for a younger student.
- Thesis topic: Development of data collection application for simultaneous handling of multiple IoT (Internet of Things) devices: medical telemetry case study. Kotlin Android, HoC: 56k.

TECHNICAL EXPERIENCE

Personal Projects

- **kotlin-js-preview** (2023, work in progress). IDEA plugin for Kotlin/React functional component preview. 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). 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). 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), C++ (Qt, multithreading, Qt Creator), C# (.NET, MSVS) and Kotlin (Intellij, Compose UI).

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).