Vsevolod **Ganin**

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SKILLS

Primary

Android Development
Kotlin / Multiplatform
Java
C++
System Design
Gradle

Familiar

NDK / JNI
Auto Testing
Back-end Web Development
Computer Graphics
Media Codecs
iOS Development
Rust

LANGUAGE

Russian, Native

English, Advanced

EXPERIENCE

Yandex, Senior Android Developer

Feb 2016–Present (6+ yrs) · Moscow, Russia

Developed several mobile maps & navigation applications, participated in areas such as UI, infrastructure, system design, and auto-testing.

Yandex Maps
* Top 1st free app in Google Play in "Maps & Navigation" category in Russia with DAU > 9M, MAU > 60M, and an average score of 4.5
* Led v-team developing bookmarks sharing feature, managing people across all the stack including back-end, Android, iOS, and Multiplatform Core, supervising results, and giving feedback to the management
* Developed internal auto-testing framework based on Kotlin Multiplatform, Espresso and XCTest. Developed multiplatform core, also developed special JUnit 4 runner for Android part of the framework
* Developed various features with separate APIs including Kotlin / Multiplatform core, Android part, and sometimes iOS part using Objective-C and Swift languages (if the part was easy enough)
* Used technologies
  * Android SDK 21-33
  * Java, Kotlin / Multiplatform, Objective-C, Swift, C++ 11-17
  * Dagger 2, Kinzhal
  * RxJava, Kotlin Coroutines
  * Redux, MVP

Yandex Metro
* Top 9th free app in Google Play in "Maps & Navigation" category in Russia with an average score of 4.7
* Developed a new version of the app from scratch with a small team
* Participated in developing a communication protocol between server and client
* Developed various features of multiplatform core written in C++ including network client, database managing, data store design, map rendering using Skia
* Developed Android client app using Kotlin language and NDK / JNI
* Used technologies
  * Android SDK 16-26
  * Kotlin, C++ 11-14
  * Skia
  * Dagger 2
  * RxJava
  * MVI

Yandex Transport (unpublished, absorbed into Yandex Maps)

Vector Digital, Android Developer

Apr 2015–Feb 2016 (11 mos) · Moscow, Russia

* Developed several Android applications and services for enterprise TV platform based on AOSP (compliant Android 4.4)
* Studied and customized AOSP for business needs
* Used technologies
  * Android SDK 19
  * Java

Bacca, Java Developer

Aug 2013–Oct 2014 (1 yr 3 mos) · Moscow, Russia

- Developed several small Android applications
- Developed back-end web applications
- Participated in the development of EMC Documentum-based enterprise systems
- Used technologies
  - Android SDK 11-19
  - Java
  - Tomcat
  - Vaadin
  - Thrift

PERSONAL PROJECTS

These are my solo-developed pet projects released to the public:

Developed and released a metronome app called "Click Track" for Google Play using Modern Android Development tools. The most challenging thing about this project was achieving precise timing for clicks which I managed to do by developing my own native analog of AudioTrack using the C++ library Oboe. Studying Linux thread scheduling quirks also helped in time precision improvements.

Used technologies
- Android SDK 21-33
- Kotlin
- 100% Jetpack Compose UI
- Kotlin Coroutines
- Android Media APIs
- C++
- Oboe

Link to Google Play   Link to GitHub

Developed a CLI tool using Rust language to import music to my personal music server.

Link to GitHub

Built personal site using TypeScript language, Node.js, React.js, and Next.js.

vsevolodganin.com   Link to GitHub

Also, setup personal music server using Yandex Cloud and Subsonic using minimum CPU and memory available, connecting with S3-compliant storage by mounting local virtual filesystem powered by FUSE.

music.vsevolodganin.com

EDUCATION

National Research Nuclear University MEPhI

Specialist Engineer Degree (MSc equivalent)

Faculty of Cybernetics, Department of Automated Information Processing & Control Systems (№29)

2008–2013 · Moscow, Russia