Boris Riaposov

Senior Android & KMP Developer · Compose · AI-driven development

Tbilisi, Georgia (UTC+4) · Remote or relocation · B2B contract or full-time

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Portfolio: www.rbv.nz · Google Play apps · App Store apps

ABOUT

Senior Android & Kotlin Multiplatform Developer with 8+ years of Android and 20+ years in software engineering, including leading a 10-person mobile team. Built apps from scratch for international clients in consumer electronics, hospitality, agrochemicals, industrial equipment, banking and insurance: cross-device connectivity, on-device ML and AR, Bluetooth LE, payments. Practitioner of AI-driven development — shipped a KMP app for iOS and Android from kick-off to release in one month with AI coding agents, keeping full ownership of architecture and code quality.

KEY SKILLS

- **Android:** Kotlin, Java, Android SDK, Jetpack Compose, Navigation, Room, DataStore, WorkManager, Firebase, Wear OS
- **Multiplatform:** Kotlin Multiplatform, Compose Multiplatform, Decompose, Koin, Ktor, Apollo GraphQL
- **Async, DI & networking:** Coroutines, Flow, RxJava, Dagger/Hilt, Koin, Toothpick, Retrofit, OkHttp, REST, GraphQL
- **Architecture:** Clean Architecture, MVVM, MVI, modularization, legacy migration (Java → Kotlin, RxJava → Coroutines)
- **Connectivity, ML, AR & payments:** device pairing, screen & audio sync, Bluetooth LE, TensorFlow Lite, ML Kit, ARCore, Google Wallet API, Android POS
- **Quality & build:** JUnit, MockK, unit/UI testing, CI/CD, Gradle (Kotlin DSL), Git
- **AI-driven development:** Claude Code, OpenAI Codex, context engineering, spec-driven workflow, AI-assisted testing and review, AI-built product website
- **Leadership & process:** team leading, code review, mentoring, estimation, technical specifications; Agile/Scrum, Jira, YouTrack, Confluence

EXPERIENCE

Senior Android Developer

EPAM Systems, Remote *Dec 2021 – Present*

Android and Kotlin Multiplatform development for large international clients.

Table booking app for a restaurant & café chain (iOS + Android, KMP)

Cross-platform app for booking and managing tables in restaurants and cafés.

- Built the app from scratch for iOS and Android with Kotlin Multiplatform and Compose Multiplatform — shared UI and business logic; navigation with Decompose, DI with Koin, networking with Ktor and Apollo GraphQL.
- AI-driven development end to end: architecture rules, conventions and feature specs as context for AI coding agents (Claude Code, OpenAI Codex); small verifiable steps, every change passed code review.
- **Result:** one month from project start to production release on iOS and Android; the app serves dozens of venues and thousands of users.

Tech: *Kotlin Multiplatform, Compose Multiplatform, Decompose, Koin, Ktor, Apollo GraphQL, Coroutines/Flow*

Field trials & analytics app for an international chemical company

Android app built from scratch for field trials of fertilizers and chemicals, with on-device ML and AR analytics.

- Designed the architecture (Clean Architecture, MVVM) on Jetpack Compose; offline mode; CI/CD, code review, unit tests.
- Integrated TensorFlow Lite models and ML Kit for on-device analysis and classification of trial results.
- Used Google ARCore for AR measurements and visualization, linking AR views with ML results and analytics.

- **Result:** trial analysis time −40%, manual interpretation errors −50%, field test duration −60%, re-measurements −20%.

Tech: *Kotlin, Jetpack Compose, Coroutines/Flow, Room, DataStore, Retrofit, TensorFlow Lite, ML Kit, ARCore, JUnit, MockK*

Android–desktop connectivity app for an international computer and mobile device manufacturer

Android app built from scratch that connects Android devices with the manufacturer's desktop application.

- Implemented device pairing between Android devices and desktop computers.
- Implemented screen and audio synchronization between Android and desktop.
- Implemented file sharing between devices.
- **Result:** tens of thousands of installs.

Tech: *Kotlin, Kotlin Coroutines, Jetpack Compose*

Senior Android Developer

Orion Innovation, Remote *Aug 2021 – Dec 2021*

Android app for configuring and servicing industrial heating and refrigeration equipment.

- Bluetooth LE communication with industrial devices; added support for a new boiler model.
- Migration of legacy code to Kotlin and Coroutines; designed the new architecture and project skeleton.

Tech: *Kotlin, Java, Bluetooth LE, Coroutines*

Lead Android Developer

SimbirSoft, Ulyanovsk, Russia *Feb 2020 – Aug 2021*

Android apps for large banks and insurance companies. Led a 10-person team through the full project lifecycle — from requirements and architecture to release and support.

- Banking app: added support for new Android POS terminal models; integrated Google Wallet API for digital cards.
- Migrated a banking app from legacy Java to a modern architecture with Kotlin Coroutines.
- Rolled out the company's universal insurance platform for two insurance companies.
- Architecture design, technical specifications, code review, mentoring, estimation.

Tech: *Kotlin, Java, RxJava, Coroutines, Dagger, Toothpick, Retrofit, Clean Architecture, MVVM*

Independent Android Developer

Own apps on Google Play and App Store *Jun 2018 – Present*

- **RCurrencyConverter** (rconv.rbv.nz) — currency converter for Android, iPhone, Wear OS and Apple Watch on Kotlin and Compose Multiplatform: camera price recognition (ML Kit), 158 currencies, rate charts, widgets, own rates backend.
- **RCards** (rcards.net) — loyalty card wallet for Android and standalone Wear OS: barcode/QR scanning, 1000+ card catalog, location-aware cards, App Links, encrypted Google Drive backup, 45 languages, subscriptions and ads; 4 releases in 2 months. Website and blog built with Claude Code.
- **RWeather** — weather, widgets, Android, iOS, watches (KMP); **Table tennis federation app** — tournaments, ratings, push.

RCards tech: *Compose, Compose for Wear OS, CameraX, ML Kit, ZXing, Room, DataStore, Play Billing, Cloudflare R2*

EARLIER CAREER

Head of Contact Center Support Department, *Alfa-Bank, Russia* *2011 – 2020*

Managed support of the bank's contact centers on the Avaya CTI platform; developed process automation software.

Deputy Technical Director, Full-stack Developer, *ISP Simbirsk Telecommunication Systems, Russia* *2003 – 2011*

Built the ISP's whole IT infrastructure from scratch: in-house billing system (C++, PHP, Perl, Oracle, MySQL), network monitoring system, data network; led the technical department.

Software Developer, *City Electric Network, Russia* *1997 – 2003*

Developed a payment acceptance system (MS SQL, Delphi); built the enterprise network, ran Unix/Windows servers.

EDUCATION & LANGUAGES

Bachelor of Technology, Computer Science — Ulyanovsk State Technical University, 1993 – 1997

English — Upper-Intermediate (B2) · Russian — Native