



Artem Smirnov
Software Engineer
📍 Tartu, Estonia

LANGUAGES

English B2 Russian NATIVE Estonian A2

CORE STACK

Kotlin Rust Compose AOSP Java Python C++

CONTACT

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s stackoverflow.com

S.01 **About**

Software engineer, writing code since 2010 — Android and backend services, mostly. These days mostly Kotlin: Clean Architecture, coroutines, reactive code where it actually pays off. I've led teams along the way, and apps I worked on have picked up design and tech awards. Also comfortable in Python and Java, at home on Linux + Docker, and I can hold my own in iOS when work crosses platforms.

S.02 **Skills**

n = 29

Kotlin Java Rust C++ Python Swift Objective-C Compose Compose Multiplatform
Coroutines RxJava AOSP Android SDK iOS Skia WebRTC MQTT Protobuf gRPC
REST Docker Firebase CI/CD JUnit Spring Django Angular Postgres
Clean Architecture

01 **Apps Lead** · **GrapheneOS** Tartu, Estonia 2026 – Present

Working on apps and other stuff for GrapheneOS.

Rust Kotlin Compose Coroutines Java C++

02 **Co-founder** · **Actinis** Tartu, Estonia 2021 – Present

Hacking Android to run where it doesn't belong.

- Drion – Wine-like Android compatibility layer for Linux; reimplements Android internals to run Android apps without booting real Android in containers or emulators.
- Cloud Device – virtual Android phones streamed to enterprise users; built the low-latency, low-traffic Skia graphics streaming and input pipelines on WebRTC, MQTT and Protobuf.
- Chimera – a Native Bridge that runs arm64 Android apps on x86_64 hosts.

Rust Kotlin C++ Java Skia WebRTC MQTT Protobuf AOSP

Linux Docker REST

03 **Senior Software Engineer** · **Ridango** Tartu, Estonia Jan 2023 – Dec 2024

Ticketing and public-transport work, mostly on Android.

- Integrated new EMV terminals into the fare-collection system.
- Built the analytics features used by several enterprise customers.
- Diagnosed live-production issues with limited device access and tight deadlines.
- Helped cut critical failures ~5× and reduce the bug backlog by 20%.
- Pitched in on the Spring backend services when needed.

Kotlin Java MQTT Protobuf Docker JUnit REST gRPC

Spring

04

Senior Android Engineer

· Veriff Tallinn, Estonia

Apr 2022 – Jan 2023

Worked on Veriff's Android SDK for identity verification.

- Added support for additional document types in the SDK.
- Redesigned the analytics layer so integrators got cleaner, more accurate data out of it.
- Helped land a large SDK redesign — both architecture and visuals — that made it nicer to integrate and easier to maintain.

Kotlin

Coroutines

Java

JUnit

REST

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Android Team Lead

· MTS Group Tallinn, Estonia

2020 – 2022

Led Android for a custom launcher at a major CIS telecom (80M+ subscribers).

- Hired and ran a 4-person remote Android team from scratch, including the engineering processes around it.
- Designed the multi-module Android app, which shipped in several product flavours.
- Built the A/B testing and remote-config system used for rolling out features.
- Held the crash-free rate above 99.5%.
- Made feature toggles, modular design and code reviews standard from the start.

Kotlin

Coroutines

Java

JUnit

REST

Firebase

CI/CD

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Senior Android Engineer (contract)

· Maximum Education

Apr 2020 – Aug 2020

Moscow, Russia

Stabilised and cleaned up the Maximum Education Android app.

- Refactored large parts of the codebase to make it easier to live with.
- Fixed compatibility issues on non-standard Android devices that were blocking installs.
- Worked through a backlog of performance bugs and rough edges.

Kotlin

Coroutines

Java

JUnit

REST

Firebase

CI/CD

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Senior Android Engineer

· kasko2go AG Zug, Switzerland

2018 – 2020

Co-built the kasko2go Android app from scratch — a car-insurance product priced from actual driving behaviour.

- Designed and built core features as part of a 3-engineer team.
- Owned the marketing-tech side, including an A/B testing system that let us change user flows without shipping a new app.
- Set up the Bamboo CI/CD pipeline: PR checks, parameterised builds, Slack notifications, Firebase distribution.

Kotlin Coroutines Java RxJava JUnit REST Firebase

CI/CD

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Senior Android Engineer

· Paragon Software Group

2015 – 2018

Moscow, Russia

Designed and built an enterprise MDM (Mobile Device Management) product from scratch, deployed on thousands of corporate devices.

- Built the device access controls and data-loss prevention features.
- Built the remote application-management and monitoring layer used to push, control and observe software across the fleet.
- Added bulk device-configuration so customers could roll out to thousands of devices at once.

Java RxJava JUnit REST

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Android Engineer

· Snaappy Inc. Moscow, Russia

2014 – 2015

Joined the initial Android team building Snaappy, a social-networking app.

- Built the early prototype, which had to keep up with rapid product changes.
- Wrote the core social features and the messaging layer.

Java RxJava JUnit REST

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Android / AOSP Engineer

· VenturezLab Moscow, Russia

2012 – 2014

Android OS customisations and Smart TV platform work.

- Built a commercial Android 4 OS fork with custom UI components and system-level changes.
- Built a Smart TV launcher with file management and media playback.
- Tuned performance for the specific TV silicon.

Java AOSP

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UNIX Engineer

· .masterhost Moscow, Russia

2011 – 2012

Looked after the server fleet at one of the larger local hosting providers.

- Administered and maintained 1000+ UNIX servers, mostly FreeBSD.
- Supported customers directly when issues reached the engineering team.

S.04 Education

01

Applied Mathematics

2009 – 2011

MSTU «Stankin»· Moscow, Russia

S.05 Projects

n = 5

play-store-scraper-ng

2025

Python library that scrapes Google Play (web version).

Python

Toritark

2025

Learn languages through customised stories. Django + DRF + Postgres backend, Angular frontend. Previously had a Kotlin/CMP companion app.

Python Django Postgres Angular

Kotlin Compose Multiplatform

Keyboard for Actinis

2024 – 2025

Experimental Kotlin + Compose Multiplatform keyboard for the Actinis project.

Kotlin

Compose Multiplatform

Roomspector

2021

Cross-platform “find the differences” game. Native Android (Kotlin + Clean Architecture + RxJava) and native iOS (Swift) sharing the same architecture.

Kotlin

Swift

Clean Architecture

RxJava

Firebase

LCleaner

2021

Android system optimisation app. Tech-led the product. Wrote an optimised perceptual-hash implementation (DCT port from Objective-C) with JVM-specific tuning.

Kotlin

Java

Objective-C

S.06 Awards

- A.01 Google «Material Design Awards» 2015 — for the «Transport» app.
- A.02 1st place — Big Brand Hackathon (AdWatch Isobar). Team Labster.PRO. Prize: an app-development contract with Nestlé. Role: Android.
- A.03 Best Tech Solution — Sberbank Hackathon. Team Labster.PRO. Role: tech lead.
- A.04 3rd place — «Cultural Code». Team Labster.PRO with «Shazam»-for-movies. Role: Android + Backend.

S.07 Publications

- A few dozen publications about programming, ~2008 — 2014.
- Android project code style using Spotless and ktlint.
- This website.