

AmirHossein Aghajari

Lead Android Engineer

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LinkedIn: linkedin.com/in/amir-aghajari · **GitHub:** github.com/Aghajari · **Website:** aghajari.com

Tehran, Iran · Open to relocation (EU / UK) · Persian (native), English (professional)

Android engineer with 9+ years building large-scale mobile platforms and products. Leads Android architecture and engineering across multiple product teams, with deep expertise in Android internals, JVM concurrency, rendering and performance.

SELECTED RECOGNITION

- **Telegram Contest, 1st Place — Profile Redesign** (Jul 2025); implementation merged into the official Telegram app. Winner of **four** Telegram contests, including the message-removal animation open-sourced as ThanosEffect.
- **AndroidX contribution merged** into Google's official Jetpack codebase (Nov 2025).
- Authored **56 open-source libraries** with **1,500+ GitHub stars**.
- **WorldSkills Champion** — Best of Nation, Mobile Applications Development (Apr 2023); **National Gold Medal** (2022). **National Skills Expert** since 2022, training the national team.

EXPERIENCE

Cafe Bazaar

Oct 2022 – Present

Tehran, Iran · Iran's largest Android app store · 40M+ users

Android Chapter Lead — Head of Mobile

Jun 2026 – Present

- Lead **6 Android engineers across 4 product teams** — technical strategy, architecture review, code standards, hiring and mentoring.
- Merged the mobile and TV codebases into a single Android project and led the full redesign and rewrite of the TV app. Directed a **7-person cross-functional team** spanning Android, software engineering, product, design and data.

Android System Owner

May 2024 – Jun 2026

- Owned architecture, code quality and long-term technical standards across a 300K+ line Android codebase.
- Rebuilt the download manager framework: **20% fewer failed downloads**, **30% faster** throughput, and **50% smaller** downloads via differential update packaging.
- Redesigned the app's **VOD streaming player** and shipped a complete playback and gesture system.

Senior Android Engineer

Oct 2022 – May 2024

- Led migration of **50+ screens and components** to Jetpack Compose and built the shared design system adopted across feature teams.
- Raised crash-free users from **96.36% to 99.95%** (Crashlytics) by identifying and fixing 100+ defects.
- Designed and shipped a new in-app billing SDK for the marketplace.

Vidone · Senior Android/Java Engineer

Jan 2021 – Aug 2022

Tehran, Iran · Online education platform

- Rearchitected the Android application, eliminating **90% of reported crashes** and halving cold load time; built an automation suite that cut regression testing time by **50%**.

PUBLICATIONS, TALKS AND WRITING

- **Promethon** — *Frontiers in Blockchain*, Jul 2026. Peer-reviewed research on reducing Ethereum's world-state size with a hybrid red-black tree and Merkle-Patricia trie, implemented in Go.
- Conference talks — **Multi-Threading**: CPU execution, context switching, `fork/clone` and coroutines. **Complex Animations**: matrices, interpolators, particle systems, OpenGL ES and shaders. — aghajari.com/presentations
- Selected writing — **Liquid Glass: The iOS Effect, Explained**, recreating Apple's shader effect from the maths of distortion and chromatic aberration; **Implementing Kernel Threads in xv6**; **Dynamic Code Execution in Java and Android**. **10 technical articles** in total — aghajari.com/publications

EDUCATION

B.Sc. Computer Engineering

Aug 2021 – Nov 2025

Amirkabir University of Technology (Tehran Polytechnic) · GPA 18.4/20

TECHNICAL SKILLS

Languages Kotlin, Java, C/C++, Go

Android Jetpack Compose, Coroutines/Flow, Hilt, Room, custom views and rendering, NDK/JNI, profiling, multi-module architecture

Platform and systems JVM threading and memory model, concurrency, class loading, reflection, OpenGL ES and shaders

Engineering MVI/MVVM, architecture review, unit and instrumentation testing, code review and mentoring