

SUMMARY

Android Engineer with 3+ years of experience. Solo-built and scaled Spiko to 60K+ MAU with 99.9% crash-free rate – 20 feature modules, Clean Architecture, and a serverless backend with 140+ API routes.

EXPERIENCE

- **Software Engineer** Apr 2022 – Present
StoneLab, Seoul, South Korea
 - Architected ARIA Wellness Android app (Kotlin, Jetpack Compose, Room, Hilt, StateFlow) with Clean Architecture, delivering real-time audio therapy via ExoPlayer and WebSocket neuromodulation
 - Built FeelFlow cross-platform mental health app (Flutter) – designed auth, MVVM architecture, and core modules shipped to Android and iOS
 - Developed npbeats interactive audio platform (React, TypeScript, Tone.js, Wavesurfer.js) with real-time synthesis and waveform visualization
 - Mentored a freelancer and an intern on architecture decisions and code review practices

PROJECTS

- **Spiko – AI English Exam Coaching App** (spiko.uz)
 - Built a production Android app to 60K+ MAU (25K+ WAU) with 99.9% crash-free rate and 40-min average sessions
 - Designed Clean Architecture with 20 feature modules (480+ Kotlin files), MVVM, Hilt DI, and vertical feature slicing
 - Implemented real-time speech recording with chunked upload, ExoPlayer audio playback, and ML Kit handwriting OCR
 - Built 4 home screen widgets and integrated 3 payment providers with webhook processing and recovery notifications
 - Achieved 46.8% week-1 retention and #1 market position in Uzbekistan’s English exam prep category
 - Architected serverless backend (Cloudflare Workers, Hono, D1) with 140+ API routes, 100+ tables, and 35+ cron jobs
- **Open Source Contributions**
 - Published uzpay, a zero-dependency TypeScript SDK for 3 Uzbek payment providers with ~80 weekly npm downloads (npm/uzpay)
 - Contributed type regression tests to Hono web framework (30K+ stars), fixing route type inference bug (#4722)

SKILLS

- **Languages:** Kotlin, TypeScript, Dart
- **Android:** Jetpack Compose, Hilt, Room, Navigation, StateFlow, ExoPlayer, ML Kit, WorkManager
- **Tools:** Git, Firebase, Cloudflare Workers, Hono, D1, REST APIs

EDUCATION

- **B.S. Computer Science and Engineering** 2024
Ulsan National Institute of Science and Technology (UNIST)