Pavlo Apisov

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Founder & Full-Stack Product Engineer · Applied AI & Audio

Barcelona, Spain · Email pavlo@apisov.com · LinkedIn /in/pavlo-apisov · GitHub @apisov · Web cv.apisov.com

summary

Founder of Musairec, a recorder that understands your song ideas and helps you develop them. I built and launched the product as a solo founder, and it is available on Android and web. Previously Lead Engineer at WeHealth, where I owned mobile, backend and infrastructure for public-health products deployed in Arizona and Bermuda. MSc in Sound and Music Computing from Universitat Pompeu Fabra.

skills

Applied AI & ML — On-device inference, model serving, TensorFlow, PyTorch, MCP
Backend & Cloud — Node.js, Python, Go, GCP, Firebase, Terraform, production operations
Data — Firestore, BigQuery, PostgreSQL
Mobile — Flutter, Dart, Kotlin, Swift

experience

Founder, Musairec — Jun 2024 — present

Sole engineer.

- Built the Flutter app for Android, iOS and web, with backend services in Node.js and Python. Launched Android and web.
- Ported Spotify's BasicPitch inference code to Dart for local music transcription and integrated on-device sound classification.
- Built GPU-backed services for stem separation and MIDI suggestions.
- Built cloud sync with conflict resolution for the offline-first recording library.
- Implemented payments, subscriptions and feature entitlements with RevenueCat and Stripe.

Tech: Flutter, Dart, Python, Node.js, TensorFlow, GCP, Firestore, RevenueCat, Stripe, Claude Code

Lead Engineer, WeHealth (Hub Public Benefit Corp) — Aug 2020 — May 2026

Mobile and web alerting products for public-health agencies.

- Migrated the live native iOS and Android apps to Flutter (100K+ installs on Google Play alone), then shipped both as web apps (PHapp and Wehealth Notify).
- Built the alerting pipeline that ingests NWS and CDC feeds and pushes notifications to communities: 3.3M alerts to 3,432 communities in 2025.
- Owned the backend and infrastructure on GCP: API services, schedulers, monitoring, and keeping processing costs down.
- Took over deployment and maintenance of Google's open-source Exposure Notifications Server (Go) on GCP, maintained the fork, and contributed upstream fixes.
- Led the security work the Arizona Department of Health Services required before it would sign the contract.
- Built MCP servers so external users could access the platform from AI assistants.

Tech: Flutter, Node.js, Go, Terraform, GCP, Firebase, Firestore, BigQuery, MCP

Android Lead, Covid Watch — Apr — Aug 2020

Open-source digital contact tracing during COVID-19. One of the first apps on the Exposure Notification API in the US, in testing at the University of Arizona from June 2020.

- Led development of the open-source BLE contact-tracing Android SDK.
- Drove the Android move from Covid Watch's TCN protocol to Apple and Google's Exposure Notification API.

Tech: Kotlin, GAEN, BLE

Android Developer (sole), StrongLifts LLC — Oct 2018 — Nov 2019

Took over the Android app of StrongLifts, a strength-training app, as its only Android developer: feature migrations, custom UI components, production maintenance.

Tech: Java, Kotlin, Room, Retrofit

Android Developer, Evopaper — Nov 2016 — Mar 2018

Built the Android app for Slice Planner from scratch, a hybrid paper-digital planner with AR scanning, Kickstarter-funded ($117,522 from 3,118 backers): AR features and OpenCV image processing.

Tech: Java, Kotlin, OpenCV

Android Developer, Zizmos — Jul — Dec 2016

eQuake — crowdsourced earthquake detection. Built the real-time accelerometer pipeline and graph, with tiered settings so low-end devices stayed usable.

Tech: Java, Android, Signal processing

Android Developer, Egghead Games — Jan — Jul 2016

Android developer at Egghead Games, maker of logic-puzzle apps. Maintenance and bug fixes across their published Android apps; no new products.

Tech: Android SDK

Android Developer, Yalantis Mobile — Dec 2013 — Jul 2015

Android developer at Yalantis, an outsourcing agency. Bug fixes and support on client apps with direct client communication, and Taurus, an open-source pull-to-refresh library for Android (1.7k GitHub stars).

Tech: Java, Android

education

MSc · Sound & Music Computing, Universitat Pompeu Fabra · Barcelona · 2019–2020

Plus — Wolfram Summer School (ML track, 2018), MSc in Computer Systems and Networks (2014) and BSc in Computer Engineering (2013).

publications

Zero-shot Singing Voice Conversion — MSc thesis — 2020

Disentangling content and identity in singing-voice models so a target voice can be conditioned at inference from a short reference clip. Deposited at Zenodo.

Generating Music with Expressive Timing and Dynamics — Write-up — 2018

Music generation model that learns expressive timing and dynamics for solo piano. End-to-end in Wolfram Language.

certifications

Deep Learning Specialization (DeepLearning.AI)
Mathematics for Machine Learning (Imperial College London)
Machine Learning (Stanford University)
Algorithms Specialization (Stanford University)
Machine Learning for Musicians and Artists (Kadenze)

also

Releasing as Apisov — 4 releases on streaming (2015, 2024–2025)
Sónar Calling GJ273b — “Earth Says Hi” — 1 of 3 selected from ~400 worldwide (2018)
Member · Barcelona Music Tech Hub
Member · MTF Labs (Music Tech Fest)
Languages: English (fluent), Ukrainian (native), Russian (native), Spanish (A2)