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SUMMARY

Senior Mobile App Developer with 5+ years of experience shipping **50+ production apps** across Android, iOS, Web, and Desktop. Built a streaming platform from scratch that reached **600K+ users** and ranked **#1 in its category for 5 months**. Developed an open-source package **officially adopted by the Google Dart & Flutter team**. Currently building an AI-powered fitness app with **Gemini AI** and **BLE device connectivity**. Expert in designing robust, scalable architectures and high-performance systems that prioritize long-term maintainability and seamless user experiences.

EXPERIENCE

BeInMedia – Nmo AI

Jul 2024 – Present

Flutter Developer

Remote · Cairo, Egypt

- Building **Nmo AI** — an AI-powered fitness and health application targeting the MENA market.
- Integrated **Bluetooth Low Energy (BLE)** to sync real-time health metrics from fitness devices (scales, heart rate monitors) directly into the app.
- Implemented **AI-driven personalization** features for health insights and adaptive fitness tracking, leveraging on-device and cloud model inference.
- Drove Flutter architecture decisions within a cross-functional international team to ensure long-term maintainability.

Ottoman Coder – Freelance

Nov 2020 – Present

Senior Mobile App Developer

Upwork · Fiverr · Malt

- Delivered **50+ production-grade apps** for international clients across Pakistan, India, Saudi Arabia, Australia, Thailand, and Laos — spanning e-commerce, healthcare, fintech, and social platforms.
- Audited and optimized **20+ client codebases** resolving critical Gradle conflicts, Firebase misconfigurations, and performance bottlenecks — turning unmaintainable legacy code into shippable products.
- Adopted **Product-Led Engineering** practices, collaborating directly with founders to translate business requirements into technical roadmaps and scalable MVP architectures.

Fulfil Supply Chain

Sep 2021 – Mar 2023

Flutter Developer – iOS & Android

Remote · Bangkok, Thailand

- Spearheaded the rebuild of a cross-border **e-commerce application** integrating **OpenCart API** for real-time inventory and order synchronization across multiple countries.
- Integrated **Firestore Auth & FCM** for secure authentication and order-update push notifications, contributing to improved user retention.
- Conducted performance profiling that measurably reduced app startup and screen transition times.

SD Cold Logistics & YouShopper, Inc.

Nov 2022 – May 2023

Flutter Developer – iOS & Android

Remote

- Architected and shipped **three separate Flutter apps** for the YouShopper multi-vendor e-commerce platform: Customer, Seller, and Delivery — each with independent UX flows and state management.
- Engineered a **coin-based monetization system** with YouTube V3 API integration and OneSignal push notifications for real-time engagement.
- Coordinated a **zero-downtime backend migration** for the Seller platform in close collaboration with backend engineers.

NOTABLE PROJECTS

Legend TV – Streaming Platform | *Flutter, Firebase, REST APIs, Admob*

Self-Built

- Independently designed, built, and launched a **Urdu-dubbed streaming platform** reaching **600,000+ active users** from Pakistan, India, and Saudi Arabia.
- Ranked #1** in its Play Store category for **5 consecutive months**; generated **\$20,000+ in revenue** via ad monetization and subscriptions in its first year.

LifeLink | *Flutter, BLoC, Google Gemini Pro, Firebase, fl_chart*

Play Store

- Canada-focused crisis-support app pairing a **province-aware directory of verified crisis lines** (988, Hope for Wellness, BC networks) with daily self-tracking of sleep, diet, and stressors visualized in charts.
- Integrated **Google Gemini Pro** to generate supportive poetry, **guard-railed to fail safe** so a vulnerable user never receives a harmful response; offline-resilient via HydratedBloc.

AlcoPass – Connected Breathalyzer Station | *Flutter, BLoC, universal_ble, Firebase*

Client · France

- Built a **BLE** companion for the **AlcoPass C1** breathalyzer — pairing over `universal_ble`, driving the warm-up/blow/analyze state machine, and parsing the device's raw 16-byte frames into blood-alcohol readings (g/L blood, mg/L air) against the legal limit.
- Localized in **5 languages** (FR/EN/DE/ES/IT) with Firestore-logged results, deployed as venue self-test stations across Europe.

Status Getter | *Flutter, BLoC, Dart Isolates, Admob*

GitHub · 4 Stars

- Multi-platform media downloader supporting WhatsApp statuses and video extraction from **10+ social platforms** via a custom-built extraction engine.
- Leverages **Dart Isolates** for concurrent background I/O — zero UI jank under high download load.

PiggyToken | *Flutter Web, Provider, flutter_svg*

Live Demo · GitHub

- Built a production-grade **Flutter Web** landing page with scroll-triggered reveals, glassmorphism, animated counters, and responsive 3-breakpoint layouts — using **zero external animation packages**.
- Engineered frame-batched scroll processing, a centralized observer pattern, and `RepaintBoundary` isolation for smooth, production-grade web performance.

OPEN-SOURCE CONTRIBUTIONS (PUB.DEV)

firebase_admin_sdk | *Dart, Firebase Admin, Google Cloud*

Adopted by Google

- Authored an open-source **Firestore Admin SDK for Dart** (Firestore, Auth, FCM, Cloud Storage, Security Rules); the **Google Dart & Flutter team reached out to take ownership** of the package for their official Firebase Admin SDK — transferred to Google's official Firebase publisher, credited as original author.

vision_ai | *Dart, MediaPipe, Google ML Kit, TFLite*

On-Device AI

- Authored an **on-device computer-vision package** for Flutter — real-time hand gesture recognition (13 gestures, 21 landmarks) and facial emotion detection (7 emotions, blink/nod/attention) at **25–30 FPS with zero cloud calls**, plus a companion UI overlay package.

firebase_cloud_messaging_dart | *Dart, FCM HTTP v1, Google ADC*

17 likes · 371+ downloads

- A **zero-dependency** Dart package for sending FCM push notifications without a server — works in Flutter, Serverpod, CLI, and Cloud Run with Application Default Credentials, structured error handling, and automatic retries.

TECHNICAL SKILLS

Core: Dart, Flutter (Android / iOS / Web / Desktop)

State Management: BLoC / Cubit, GetX, Provider

Backend & Databases: Firebase (Firestore, Auth, FCM, Storage, Functions), Supabase, PostgreSQL, MySQL, Hive, Isar, SQLite

APIs & Integrations: REST, FCM HTTP v1, YouTube V3, OpenCart, OneSignal, Admob, Applovin, BLE (flutter_blue_plus)

AI & Product: Gemini AI, LLM integration (on-device & API), MediaPipe, Google ML Kit, TFLite, on-device computer vision

Supporting Languages: Kotlin (Android native basics), Swift (iOS native basics), PHP, Node.js, JavaScript, SQL

Tools: Figma, Postman, Git, GitHub, Bitbucket, Google Cloud, Play Store deployment

EDUCATION

Virtual University of Pakistan

Bachelor of Computer Science – In Progress

Feb 2025 – Present

Remote