



FLUTTER MOBILE DEVELOPER

Carlos Antonio Vallejo Gonzalez

PROFILE

Flutter developer with a solid software engineering foundation. Specialist in **Clean Architecture, Riverpod/Bloc, and Firebase** (Cloud Functions, Security Rules, Cloud Messaging), with **AI integrations** (TFLite, OpenAI). **End-to-end experience** through **publishing on the App Store/Google Play**; focused on scalability, UX, and operational efficiency; fluent in English.

EDUCATION

B.S. in Computer Technologies – Tecnológico de Monterrey, Mexico (2023). Graduated with the “Líderes del Mañana” **Scholarship (100% tuition)**.

SKILLS & TECHNOLOGIES

- **Mobile Development:** Flutter, Dart, Clean Architecture, Riverpod, Bloc, GoRouter, Unit, Widget and Integration testing.
- **Backend/Cloud:** Firebase (Firestore, Storage, Auth, Cloud Functions, Security Rules, Cloud Messaging / Push Notifications).
- **Databases:** Firestore, MySQL, PostgreSQL, SQLite.
- **AI & APIs:** TensorFlow Lite, OpenAI API, Google Maps API, Here Maps API.
- **Tools & Practices:** Git/GitHub, VS Code, SCRUM, App Store Connect, Google Play Console
- **Languages:** Dart, JavaScript, Python, Java.

EXPERIENCE

MID FLUTTER DEVELOPER & PROJECT LEAD – LABOR MEXICANA, SALTILLO, MX (2024-PRESENT)

- Led a **Flutter + Firebase ecosystem used by 550+ employees; offline-first with advanced geolocation** for seamless **offline continuity**.
- **Implemented on-device facial recognition (TFLite) and payroll validations;** reduced **required staffing by 80% and saved HR 100+ hours/month**.
- **Automated notifications (FCM + Cloud Functions) and monitoring;** improved operational response times by 25%.

MOBILE DEVELOPER – CREEARTELO, PUEBLA, MX (2023-2024)

- Built **Uber-style apps for roadside assistance with real-time tracking, in-app payments, and chat.**
- **Managed internal and open testing on the App Store/Google Play**, integrating feedback to enhance user experience.
- Implemented **automated notifications and optimized operational flows**, improving support efficiency.

FREELANCE FLUTTER DEVELOPER – (2022-2023)

- Created an app for the Mexican soccer team **Chivas de Guadalajara featuring OpenAI API, 3D tours**, and multimedia.
- Held stakeholder meetings, **designed the application end-to-end**, and analyzed business needs to implement relevant technologies.

PERSONAL PROJECTS

UBER-STYLE APP WITH GOOGLE MAPS API (GOOGLE_MAPS_FLUTTER)

- Advanced features: **real-time location, background tracking, polylines/polygons**, distance calculations, and routing/directions.
- Used **Riverpod and Clean Architecture** for robust state management.

VOICE ASSISTANT WITH CHATGPT AND DALL-E

- App with voice commands, integrating **OpenAI API, Speech Recognition, and Speech-to-Text.**
- WhatsApp-style chat interface using **Bloc and Clean Architecture.**