Bilal Oleik

Senior Software Engineer | Flutter & Dart Mobile Apps | BI & Enterprise Solutions

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PROFESSIONAL SUMMARY

Senior software engineer with 20+ years building business-critical software, from large client/server systems to modern cross-platform mobile apps. Grounded in Delphi client/server development and database administration; focused on Flutter and Dart since 2020. Shipped a full reservation management system (QuickSeat), a real-time parcel tracking app with proof of delivery (SoftHubIT, UAE) and mobile solutions for Magnar HCM, currently as Technical Solutions Consultant for BI and Mobile. Specializes in Clean Architecture and Vertical Slices, modular and testable code, Riverpod and BLoC, Firebase, BI reporting and bilingual English/Arabic (RTL) interfaces. Open to Senior Software Engineer and Senior Flutter roles (remote).

SKILLS

Mobile: Flutter, Dart, iOS, Android, Flutter Web, responsive UI, localization and RTL (English/Arabic), light and dark theming, design systems

Architecture: Software architecture, technical design, Clean Architecture, Vertical Slices, feature-first modular packages, Melos and pub workspaces, design patterns, reusable Dart libraries, modular and testable code

State management: Riverpod, BLoC, Provider

Backend and APIs: Firebase (Authentication, Cloud Firestore, Cloud Functions in Node.js, Cloud Messaging, Hosting), REST APIs with Dio and Retrofit, OData, SignalR real-time, Firestore security rules

Integrations: Google Maps, WhatsApp Cloud API, push notifications, biometric authentication, QR scanning, OTP and SMS autofill, Azure AD / OpenID Connect, offline sync

Data and BI: SQL and NoSQL databases, Microsoft SQL Server, database administration, BI reporting

Other: Delphi (Embarcadero, OOP), client/server systems, Visual Basic

PROFESSIONAL EXPERIENCE

Technical Solutions Consultant – BI & Mobile

Aug 2025 – Present

Magnar Systems | Lebanon

- Deliver BI and mobile solutions for Magnar HCM, including the Flutter Employee Self-Service (ESS) app for an HR and payroll platform used by multiple client companies.
- Built features across 20+ request and approval workflows (leave, loans, expenses, travel, overtime, training), attendance check-in and shift scheduling.
- Work within a modular Clean Architecture codebase using Riverpod, Dio with OData, SignalR real-time updates, Firebase push notifications and Azure AD sign-in.

Senior Flutter & Dart Developer

Jun 2024 – Aug 2025

SoftHubIT | United Arab Emirates

- Developed Zajel, a parcel tracking and shipping app in Flutter/Dart, covering inbound and outbound shipments, shipment booking and a rate calculator.
- Implemented live parcel location updates, an interactive Google Maps display, pickup-centre search and estimated delivery time calculations.
- Strengthened delivery security by collecting proof of delivery through customer signature and photo verification.
- Delivered OTP sign-in with SMS autofill and a fully mirrored English/Arabic interface.

Senior Flutter & Dart Developer Mar 2020 – Aug 2025
QuickSeat | Beirut, Lebanon

- Developed a complete reservation management system (QuickSeat) using Flutter/Dart and Firebase.
- Applied BLoC and Provider patterns for maintainable, efficient development.
- Created reusable pure Dart libraries and Flutter widgets for UI customization.
- Used LayoutBuilder to deliver a responsive interface across platforms and screen sizes.

Senior Delphi Developer Mar 2023 – Sep 2024
Allied Information Systems Inc. | Beirut, Lebanon

- Developed the frontend and backend of a mobile restaurant table reservation system using Embarcadero technologies.

Senior Software Engineer May 2001 – Nov 2022
General Directorate of General Security | Beirut, Lebanon

- Developed client/server applications using Delphi (OOP).
- Served as database administrator.

Earlier Experience 1996 – 2001

- **Software Developer, Intelligent Business Solutions** (1999 – 2001): built a client/server hospital information system for the American University Hospital of Beirut (patient records, lab, X-ray) with Access and MS SQL Server.
- **Freelance Software Engineer, RentACoder.com** (1998 – 2001): SEO, web scraping and database applications in Delphi.
- **Software Developer, KPOS Computer Systems Ltd.** (1996 – 1999): point of sale and hotel management systems in Delphi and Visual Basic with MS SQL Server.

SELECTED PROJECTS

Driverly – Delivery Tracking App (Flutter, Riverpod, Firebase, Cloud Functions, WhatsApp Cloud API, Google Maps)
Built end to end a delivery app for solo drivers with a Flutter Web admin dashboard: WhatsApp location requests, live map with nearest stops, offline-first orders, cash reconciliation per company, push notifications and a notification centre, in English and Arabic with light and dark themes.

AM Bank – Mobile Banking App (Flutter, Melos, Dio, Retrofit, local_auth, Firebase Messaging)
Retail banking app with remote account opening (ID scan, selfie verification, KYC steps), biometric and passcode login, transfers between accounts and via QR code, payment and standing orders, banker's cheques, card management and beneficiaries.

DocLeb – Clinic Management App (Flutter, Riverpod, Melos, Dio, Retrofit, flutter_map)
Practice app for doctors with medical licence verification, multi-clinic calendar (day, week, month), appointment booking by consultation type and free slot, patient records with insurance, team tasks and clinic locations on a map.

EDUCATION

Master's Degree, Computer / Information Technology Administration and Management 1991 – 1996
Lebanese University, Faculty of Sciences

CERTIFICATIONS

Delphi Certified (Expert Level)