MOHAMED MAGDY

SOFWARE DEVELOPER

EXPERIENCE

SENIOR FLUTTER DEVELOPER

Bynd Co
Sep 2022 - Present

Dots
Jun 2022 - Dec 2022

Crazy Idea
Dec 2020 - Jun 2022

WEB DEVELOPER

Themeforest - Envato
Aug 2017 - Oct 2019

EDUCATION

BACHELOR OF INFORMATION SYSTEMS

Delta Academy for Sciences
2016 - 2020

PROJECTS

Queue POS App Store Google Play
Cloud & Offline Point of Sale System

- **Designed a robust Offline-First architecture** using ObjectBox to ensure uninterrupted operations even without internet connectivity.
- **Developed a fully custom UI from scratch**, focusing on usability, responsiveness, and intuitive user experience for smooth transaction handling.
- **Implemented real-time order synchronization**, allowing offline transactions to sync automatically once the connection is restored.
- **Incrementally enhanced the system with key features, including:**
  - Split payments supporting multiple payment methods in a single transaction.
  - Advanced reporting and analytics, with export options for actionable business insights.
  - Comprehensive printing support compatible with Bluetooth, Wi-Fi, and USB receipt printers.
  - Barcode scanning integration via phone camera or external scanners.
- **Enabled cross-platform deployment**, making Queue POS fully functional on Windows, iOS, and Android.

CONTACT

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Github | LinkedIn

SUMMARY

As a Flutter developer with 5 years of experience, I believe that small details make a big difference. I always strive to design visually appealing interfaces with smooth performance, ensuring an exceptional user experience. I have extensive experience in backend development using Go and Laravel, with knowledge of Node.js. Whether it's a new project or one that requires maintenance and optimization, I focus on delivering robust and scalable software solutions.

SKILLS

Mobile Development

- Flutter & Dart (5+ years)
- State Management: Riverpod, Flutter Hooks, Bloc, GetX, Provider
- Custom UI/UX Design & Animations
- Performance Optimization & Lazy Rendering
- Cross-Platform Deployment (iOS, Android, Windows)
- Offline-First Development (e.g., ObjectBox, SQLite)
- Firebase Integration (Auth, Firestore, Messaging, Crashlytics)

Otlob Garage   App Store   Google Play

Car Services Booking Platform

Built two cross-platform apps for car service booking:

- **Otlob Garage (User App):** Enables users to register vehicles, browse services (oil change, battery, etc.), and place orders through a clean, intuitive UI.
- **OG Partner (Garage App):** Allows garages to manage and fulfill requests, with real-time updates and background service support for order tracking.

Key features include:

- **Real-time order flow** with on-site service support.
- **Custom FCM notifications** with dedicated sounds per event type.
- **Google Maps & Places API** for location-based service discovery.
- **Riverpod state management** and clean architecture for scalability.
- Optimized for performance and smooth UX across iOS and Android.

OVU   App Store   Google Play

Developed **OVU**, a period tracker and health companion designed for Gen Z, promoting body awareness and positive puberty experiences.

Key Highlights:

- Built a custom cycle calendar with accurate predictions and pattern insights.
- Integrated a video library for period education, self-care, and personal growth.
- Implemented personalized alerts and reminders.
- Ensured strong data privacy with secure local storage.
- Designed a modern, youth-friendly UI.

Tech Stack: Flutter, Firebase, Local Notifications, Video Player, Custom Widgets

Lets Form   App Store   Google Play

Developed FORM App, an all-in-one mobile solution for booking sports facilities, fitness classes, gym subscriptions, and health product shopping.

Key Highlights:

- Built a custom cycle calendar with accurate predictions and pattern insights.
- Integrated a video library for period education, self-care, and personal growth.
- Implemented personalized alerts and reminders.
- Ensured strong data privacy with secure local storage.
- Designed a modern, youth-friendly UI.

Tech Stack: Flutter, Firebase, Local Notifications, Video Player, Custom Widgets

And more..

- Maps & Location APIs (Google Maps, Places API)

Backend Development

- Go (Golang), Gin Framework
- Laravel (PHP), Node.js (basic knowledge)
- RESTful APIs Design & Integration
- PostgreSQL, MySQL, Supabase
- Authentication, Caching, and Rate Limiting
- Database Design, Optimization & Query Tuning
- DevOps & Infrastructure:
- Docker & Docker Compose
- GitHub Actions & CI/CD Pipelines
- Nginx, Cloud Deployment (DigitalOcean, VPS)
- Logging & Monitoring (e.g., Sentry)

Tools & Practices:

- Git, GitHub & GitLab
- Clean Architecture & SOLID Principles
- Testing (Unit, Widget, Integration)
- Agile/Scrum Workflow
- Figma to Flutter, Pixel-Perfect Implementation
- API Documentation (Swagger/Postman)