

MOHAMED DEWIDAR

Senior Mobile Application Developer (Flutter & Android)

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PORTFOLIO: <https://dewidarr.github.io/Mohamed-Dewidar/>

PROFESSIONAL SUMMARY

Senior Flutter Developer with 7+ years of experience in Flutter, Dart, and Android development. Expert in Clean Architecture, MVVM, BLoC, CI/CD pipelines, REST API integration, and scalable mobile application development. Proven team lead delivering production-grade apps on iOS, Android, and Flutter Web. Specialized in Performance Optimization, Memory Management, iOS Deployment, and App Store Optimization (ASO). Proficient in Unit Testing, Widget Testing, and Integration Testing.

SKILLS

Languages & Frameworks: Flutter, Dart, Android, Kotlin, Java, Swift, Flutter Web
Architecture & Design: Clean Architecture, MVVM, SOLID, Design Patterns
State Management: BLoC (Business Logic Component), Cubit, Provider, Riverpod
Backend & APIs: REST APIs, Django REST Framework, Firebase, WebSockets, GraphQL
Testing: Unit Testing, Widget Testing, Integration Testing
DevOps & Tools: CI/CD, GitHub Actions, Docker, Git, JIRA
Integrations: Stripe, PayPal, PayTabs, Google Maps, Platform Channels
Specializations: Performance Optimization, Memory Management, iOS Deployment, App Store Optimization (ASO), Offline-First Architecture

WORK EXPERIENCE

Team Lead Flutter Developer

Jul 2024 – Present

3I Vision

Giza, Egypt

- Led a team of 5+ Flutter developers in an Agile environment to design and maintain cross-platform mobile applications for iOS, Android, and Flutter Web.
- Directed the full software development lifecycle (SDLC) from architecture planning to iOS Deployment and Play Store releases.
- Collaborated with AI & backend engineers to integrate real-time Computer Vision (People Detection, License Plate Recognition), achieving 95% accuracy.
- Improved app startup time by 40% through Performance Optimization using Dart Isolates and Memory Management techniques.
- Enforced code quality through rigorous Unit Testing, Widget Testing, and code reviews, reducing production crashes by 60%.

Senior Flutter Developer

Jan 2020 – Jul 2024

Quantum Sit

Nasr City, Egypt

- Architected the Cogens School Management Ecosystem, managing 5+ applications (Parent, Staff, Student, Vendor, Driver) serving 12K+ active users across 20+ schools.
- Implemented secure payment gateway integrations (Stripe, PayPal, PayTabs), processing \$500K+ in transactions annually.
- Developed real-time GPS tracking feature for Bus Driver app using Dart Isolates and WebSocket connections, improving location accuracy by 85%.
- Engineered Offline-First architecture using Hive, reducing data sync errors by 70%.
- Optimized app performance through Memory Management, reducing memory footprint by 35% and improving load times by 50%.
- Managed iOS Deployment and App Store Optimization (ASO), increasing organic downloads by 120%.

Android Developer

Oct 2018 – Sep 2019

Software Company

Nasr City, Egypt

- Developed native Android applications using Java and Kotlin, focusing on Performance Optimization and responsive UI.
- Collaborated with cross-functional teams to define and ship new features using Agile methodologies.
- Improved application stability by 30% through rigorous bug fixing and Unit Testing.
- Reduced app crashes by 45% through proactive Memory Management and code optimization.

FEATURED PROJECTS

Cogens School Management Ecosystem

Impact: 12K+ Live Users | 20+ Schools (Toronto, Canada)

Unified platform integrating Mobile Apps (Parent, Staff, Student) and Web Portals (Admin, Vendor). Features payments, attendance, and real-time tracking. Implemented Clean Architecture, BLoC state management, and Offline-First functionality.

[iOS Parent App](#) [Android Parent App](#) [iOS Staff App](#) [Android Staff App](#) [Web Admin Dashboard](#)

3I Vision (AI Security)

Real-time surveillance app integrating AI for license plate and people detection. Built with Flutter for iOS and Android, featuring advanced Memory Management and Performance Optimization for real-time video processing.

[App Store iOS](#) [Google Play Android](#)

DataMind Agent

Intelligent file manager classifying files using smart keyword analysis. Implemented with Flutter, featuring comprehensive Unit Testing and Widget Testing coverage.

[App Store iOS](#) [Google Play Android](#)

EDUCATION

Bachelor of Computer Science

2014 - 2018

Faculty of Computers and Information Systems (FCIS), Mansoura University

Major: Software Engineering, Information Systems

LANGUAGES

Arabic: Native | **English:** Fluent