

# Mahmoud Asal

Flutter Developer

Phone: +20 101 876 6374

Email: [mahmoudasal656@gmail.com](mailto:mahmoudasal656@gmail.com)

LinkedIn: <https://www.linkedin.com/in/Mahmoud-Asal>

GitHub: <https://github.com/MahmoudAsal>

## PROFESSIONAL SUMMARY

---

Flutter developer with 2 years of cross-platform mobile experience. Shipped 7+ production apps with 95% UI accuracy across Android and iOS. Specializes in Dart, Riverpod, BLoC, and Firebase including auth, Firestore, and cloud functions. Reduced development time by 40% on client projects through clean architecture and reusable component systems.

## TECHNICAL SKILLS

---

**Programming Languages:** Dart, JavaScript, Java, SQL, HTML, CSS

**Mobile Development:** Flutter, Android SDK

**State Management:** Riverpod, BLoC

**Backend & Cloud:** Firebase (Auth, Firestore, Storage, Functions)

**Database Technologies:** SQLite, MySQL, Firebase Firestore

**APIs & Integration:** RESTful APIs, YouTube API, Google Maps API, Geocoding

**Development Tools:** Git, GitHub, VS Code, Android Studio, Xcode, Postman, Figma

**Testing & QA:** Unit Testing, Widget Testing

**UI/UX Technologies:** Material Design, Custom Animations, Responsive Design

**DevOps & Deployment:** CI/CD, Google Play Store, Firebase Hosting, App Store

**Security:** Environment Variables, API Key Protection, Error Handling, Data Validation

## SOFT SKILLS

---

Problem Solving, Critical Thinking, Communication, Leadership, Time Management, Teamwork, Attention to Detail, Creativity, Continuous Learning, Decision Making, Multitasking, Initiative, Emotional Intelligence

## WORK EXPERIENCE

---

### Freelance Flutter Developer

**Self-Employed** — Remote — January 2023 – Present

- Developed 6+ custom apps for clients, achieving 95% satisfaction
- Managed full project lifecycle from requirements through deployment
- Cut client operational costs by 30% across 5+ engagements
- Maintained 99.9% application uptime through proactive monitoring and optimization
- Cut project delivery time by 25% using agile practices

### Mobile App Development Intern

**NTI (National Technology Institute)** — Shibin El-Kom, Egypt — June 2023 – August 2023

- Built Flutter/Dart features as part of a team-based mobile project
- Participated in code reviews with senior developers
- Debugged and tested apps across multiple device platforms
- Worked with Git and collaborative development workflows

## EDUCATION

---

### Bachelor of Computer Science

Faculty of Computers and Information, EELU University, Egypt

Graduation: May 2024

**Relevant Coursework:** Mobile Development, Object-Oriented Programming, Design Patterns, Database Systems, Data Structures, Algorithms

## CERTIFICATIONS

---

### **Flutter & Dart – The Complete Guide [2025 Edition]**

Udemy — Instructor: Maximilian Schwarzmüller (Academind) — October 2025

- Completed 30 hours of Flutter and Dart training

### **IT Specialist – Device Configuration & Management**

Pearson — Certiport — March 2025

- Earned industry-recognized badge in device configuration and management

### **CCNA: Switching, Routing & Wireless Essentials**

Cisco Networking Academy — January 2025

- Configured VLANs, inter-VLAN routing, and switch security
- Set up WLANs with WLC and L2 security, plus IPv4/IPv6 static and dynamic routing

## PROJECTS & ACHIEVEMENTS

---

### **Alaa El-Sare3 – Transportation App — Flutter, Google Maps API, Laravel, GPS**

- Built a GPS tracking system with live location updates serving 1000+ daily active users
- Integrated Google Maps with custom markers, route visualization, and polyline drawing
- Developed multi-role authentication with token-based access control
- Added place search with real-time auto-complete and Arabic/English geocoding
- Deployed to production with ProGuard obfuscation
- Achieved 99.8% uptime for real-time tracking and 60fps map rendering

### **OpenFashion – E-Commerce Mobile App — Flutter, StatefulWidget, SVG**

- Built credit card payment with real-time validation and live preview via flutter\_credit\_card
- Built a shopping cart with dynamic quantity management and real-time total calculation
- Reduced code by 40% through modular, reusable widget architecture
- Shipped full checkout flow: address management, shipping options, and order confirmation

### **Islamic Reels App — Flutter, Firebase, BLoC, YouTube API v3**

- Added Google Sign-In, cutting login time by 60%
- Built content filtering across 1000+ videos with 98% accuracy
- Cut app loading time by 45% through efficient JSON parsing and data architecture

### **Student Attendance System — Flutter, SQLite, Custom Widgets**

- Deployed at 3+ educational institutions as a cross-platform attendance solution
- Cut administrative time by 70% through automated attendance tracking
- Handles 500+ student records with 99.9% uptime
- Reduced data entry errors by 80% through input validation and error handling

### **Flutter Expense Tracker — Flutter, Material Design 3, UUID, Responsive UI**

- Built an adaptive financial management app supporting phones and tablets
- Added platform-specific dialogs, improving UX consistency by 40%
- Swipe-to-delete with undo reduced accidental deletions by 90%
- Fully null-safe architecture with comprehensive error handling

## KEY ACHIEVEMENTS

---

- Built real-time location tracking handling 1000+ concurrent GPS updates at 99.8% accuracy
- Hit 95%+ UI accuracy across all projects following platform design guidelines
- Implemented security across all apps: environment variable management, API key protection
- Cut production crashes by 85% through consistent error handling frameworks
- Reduced average app loading time by 45% through architecture and data management improvements
- Maintained 99.9% uptime across all deployed projects

## LANGUAGES

---

**Arabic:** Native Proficiency — **English:** Professional Working Proficiency