

# Ragab Eid Sedik

Flutter Developer | Software Engineer

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## SUMMARY

Flutter Developer and Software Engineer with strong experience in building cross-platform mobile applications using Flutter & Dart. Skilled in clean architecture, state management, Firebase integration, and REST APIs. Passionate about writing clean, scalable code and solving real-world problems.

## EDUCATION

**Bachelor's degree in computer and Artificial Intelligence** | Beni-Suef University, September 2022

- **major:** Computer Sciences
- **Accumulative Grade:** Good

## TRAINING AND COURSES

**Flutter Cross-Platform Mobile Development** | DEPI – Digital Egypt Pioneers (رواد مصر الرقمية), Nov 2025 – Present.

- Practical training on Flutter application development
- Working on real projects and team-based applications
- Firebase Authentication, Firestore, and App Check
- Exposure to freelancing platforms, gigs, and project delivery
- Soft skills training (Communication, Teamwork, Time Management)

**Flutter Cross-Platform Mobile Development** | NTI – National Telecommunication Institute, Nov 2025 – Present.

- Building cross-platform mobile applications using Flutter & Dart
- State management and responsive UI design
- REST API integration and Firebase services
- Developing real-world mobile applications

**Database Fundamentals** | Mahara Tech, Seb 2025 – Oct 2025.

- Relational database concepts and normalization
- SQL basics (SELECT, INSERT, UPDATE, DELETE)
- Understanding of ER diagrams and database design
- Practical exercises on database queries

**Mastering Object-Oriented Programming (OOP) using C++** | Mahara Tech, Sep 2025 – Aug 2025.

- Applied Object-Oriented Programming concepts (Encapsulation, Inheritance, Polymorphism, Abstraction)
- Designed and implemented modular C++ applications
- Worked with problem-solving and algorithmic thinking
- Hands-on practice with real programming scenarios

**Data Structures & Algorithms (Implemented in C++)** | FCIS, Mar 2019 – Jun 2019.

- Data Structures: Arrays, Linked Lists, Stacks, Queues, Trees (Binary, AVL), Graphs, Hash Tables.
- Algorithms: Recursion, Tree & Graph Traversals, Search & Sort Algorithms
- Complexity Analysis: Big O Notation for Time and Space Complexity.
- Software Development: Object-Oriented Programming (OOP), Memory Management, STL, Modern C++11, Android Development (Kotlin, Flutter).

**Programming Languages: C++ (Advanced), Java** | Udacity, Feb 2020 – Mar 2020.

- Object-Oriented Programming (OOP): Polymorphism, Inheritance, Abstraction, Templates
- Memory Management: Smart Pointers, RAII, Move Semantics (C++11).
- Standard Template Library (STL): Containers, Algorithms, Iterators.
- Modern C++11: Lambda Expressions, Auto Keyword, Range-Based Loops.
- Advanced Features: Operator Overloading, Exception Handling, I/O Streams

**C Programming: From Basics to Mastery** | Mahara Tech, Feb 2025 – Mar 2025.

- Strong understanding of C fundamentals (Pointers, Arrays, Functions, Structures)
- Memory management and low-level programming concepts

- Implemented console-based applications
- Improved logic building and debugging skills

#### **ICDL (International Computer Driving License) | Edraak,**

**Jun2018 – Sep2018.**

- Certified proficiency in IT fundamentals, cybersecurity, and the Microsoft Office Suite (Word, Excel, PowerPoint) for professional document creation, data analysis, and presentation development.

### **Technical Skills**

#### **Programming Languages**

- Dart | Java | C# | JavaScript (basic)

#### **Mobile Development**

- Flutter | Android (basic)

#### **State Management**

- Provider | Riverpod | Bloc | Cubit | GetX

#### **Backend & Services**

- Firebase Authentication | Cloud Firestore | Firebase App Check | REST APIs | JSON

#### **Tools & Technologies**

- Git & GitHub | VS Code | Android Studio | Postman | CI/CD (basic)

### **Projects**

#### **Authentication App (Flutter + Firebase)**

**Objective:** Develop a secure application for managing user login and registration while protecting user data.

**Role:** Full Flutter Developer, responsible for UI design, integrating Firebase Authentication & Firestore, and implementing App Check for enhanced security.

#### **Key Achievements:**

- Implemented Login, Registration, and Password Reset functionalities
- Clean and modular code architecture
- Ensured secure data handling using Firebase services

#### **E-Commerce App**

**Objective:** Build a cross-platform e-commerce application to provide a seamless shopping experience for users.

**Role:** Flutter Developer, responsible for UI design, state management (Provider & Riverpod), and API integration for real-time data updates.

#### **Key Achievements:**

- Product listing, shopping cart, and checkout features
- State management using Provider & Riverpod
- Responsive UI across multiple screen sizes

#### **Utility Apps**

**Objective:** Develop utility applications to enhance user experience and gain hands-on Flutter practice.

**Role:** Flutter Developer, designed apps including Bluetooth functionality and local storage while focusing on smooth UX.

#### **Key Achievements:**

- Bluetooth device scanning and connectivity
- Form validation and local data storage
- User-friendly and responsive interfaces

### **Languages**

- Arabic: Native
- English: Very Good

### **Practical Experience & Soft Skills**

- Hands-on experience building real Flutter applications
- Problem-solving and debugging skills
- Freelancing basics and gig-based work exposure
- Communication and presentation skills
- Agile mindset and teamwork
- Problem Solving | Clean Code | Teamwork
- Time Management | Self-Learning