

# Badr Eldin Qabbari

Software Engineer | Full-Stack Developer

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**Portfolio:** <https://badrqabbari274.github.io/portfolio/>

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## PROFESSIONAL SUMMARY

A visionary Software Engineer and Full-Stack Developer with expertise in building scalable, enterprise-grade applications. Proficient in the .NET ecosystem (ASP.NET MVC, ASP.NET Web API, WPF) and Flutter for cross-platform development. Strong foundation in software architecture, database design, and RESTful API development. Experienced in delivering user-focused solutions that bridge complex business logic with intuitive user experiences. Committed to engineering excellence with a creative mindset honed through visual arts and leadership activities.

## EDUCATION

**Fathalla International Applied Technology School (FIATS)**

**Major:** Computer Science | **Duration:** 2023 – Present | **Expected Graduation:** 2026

### Relevant Coursework:

- **Programming:** C++ (Algorithms & Problem Solving), C# (Desktop & Web Applications), Python (Multimedia Processing), Dart (Mobile Application Development), SQL (Database Management)
- **Web Development:** ASP.NET MVC, ASP.NET Web API, RESTful API Design, Entity Framework Core, React.js (Frontend Development), HTML5, CSS3, JavaScript
- **Mobile Development:** Flutter Framework, Firebase (Authentication, Firestore, Realtime Database), Cross-Platform Mobile Applications
- **Desktop Development:** Windows Presentation Foundation (WPF), MVVM Architecture, Prism Library
- **Additional:** Software Testing, Network Administration, Hardware Troubleshooting, System Configuration

## TECHNICAL SKILLS

### Programming Languages:

- C++ (Problem Solving & Algorithms), C# (Desktop & Web Applications), Python (Multimedia Processing), SQL (Database Management)

### Web Development:

- ASP.NET MVC, ASP.NET Web API, RESTful API Design, Entity Framework Core

### Desktop Development:

- Windows Presentation Foundation (WPF), MVVM Architecture, Prism Library

### Frameworks & Tools:

- Flutter (Cross-Platform Development), .NET Core, MS SQL Server, Git & Version Control, DevOps

### Design & Creative:

- Figma UI/UX, Adobe Photoshop, Canva

## IT Infrastructure:

- Network Administration, Hardware Troubleshooting, System Configuration, Server Management

## PROFESSIONAL EXPERIENCE

### Full-Stack Developer – ASP.NET MVC Project

*FIATS School | 2025*

- Participated in full software development lifecycle using ASP.NET MVC framework
- Designed and implemented database architecture using SQL Server and Entity Framework
- Developed responsive UI components and core business logic following MVC patterns
- Delivered scalable and maintainable code following industry best practices

### IT Support Specialist

*Baraem Egypt Digital | 2024*

- Provided technical support for digital learning platforms and educational technology systems
- Assisted students and instructors with technical issues, ensuring smooth operation of online learning systems
- Reduced downtime through efficient troubleshooting and issue resolution

### Technical Support – IT Department

*Fathalla Market | 2024*

- Provided hardware and software troubleshooting for retail IT infrastructure
- Assisted staff with system installations, updates, and configuration
- Monitored system performance and ensured operational stability

### Technical Support Specialist

*PC World | 2023*

- Installed and configured computer hardware and software for diverse client needs
- Diagnosed and resolved IT-related issues efficiently
- Provided customer training and technical guidance, maintaining detailed support records

## KEY PROJECTS

### Full-Stack E-Commerce Platform

**Technologies:** Flutter, ASP.NET Web API, SQL Server, JWT Authentication | **Duration:** 2025 – Present

- Developed an advanced e-commerce ecosystem with Flutter mobile application and RESTful API back-end
- Implemented secure user authentication using JWT tokens and role-based access control
- Built dynamic product cataloging system, shopping cart logic, and real-time order processing
- Designed scalable database architecture supporting complex business operations

### Green Pack – Smart Eco-Reward System

**Technologies:** Flutter, Firebase Realtime Database, Arduino, ESP8266/ESP32, IoT | **Duration:** 2025 – 2026

- Created smart eco-reward mobile application integrated with physical recycling hardware
- Developed real-time communication system between Arduino-powered recycling box and mobile app
- Implemented Firebase Realtime Database for instant point allocation and user account management
- Designed IoT solution encouraging sustainable behavior through digital reward system

### **School Management System**

**Technologies:** ASP.NET MVC Core, SQL Server, Entity Framework | **Duration:** 2025

- Developed comprehensive web application for educational institutions with role-based access control
- Implemented modules for student registration, attendance tracking, and grade management
- Designed relational database schema supporting complex academic operations

### **Gym Management System**

**Technologies:** WPF, Entity Framework, SQL Server | **Duration:** 2024

- Created high-performance desktop application for fitness center operations management
- Developed member subscription management, trainer scheduling, and financial reporting modules
- Applied MVVM architecture pattern ensuring clean code separation and maintainability

## **CERTIFICATIONS & TRAINING**

- **Applications of AI** – Great Learning
- **Human Resources Training** – Bright Bridge Center
- **English International Certificate** – Bright Bridge Center
- **Effective Leadership** – HP LIFE
- **Business Communications** – HP LIFE
- **Get Started with Figma** – Coursera

## **COMPETITIONS & ACHIEVEMENTS**

- **Egyptian Collegiate Programming Contest (ECPC)** – 2025
- **International Science and Engineering Fair (ISEF)** – 2023

## **LEADERSHIP & ACTIVITIES**

### **Peer Ambassador**

*IATS Camp, 6th of October City | 2024*

- Led workshops on communication, presentation, and leadership for diverse student groups, while supporting event coordination and logistics.
- Enhanced teamwork, problem-solving, and time management skills through active involvement in a large-scale, high-impact community event.

### **Sea Scout Member**

*Alexandria Scout Group - Al-Haramain Youth Center | 2021 – 2024*

- Active member for 3 years developing survival skills, teamwork, and community scouting discipline
- Participated in leadership activities and organizational ceremonies

## SOFT SKILLS

Strategic Leadership • Public Speaking • Analytical Thinking • Team Synergy • Adaptability • Creative Problem Solving • Time Management • Critical Thinking

## LANGUAGES

- **Arabic:** Native
- **English:** Upper-Intermediate (B2)