Ahmed Serag Mahmoud Wasfy

Flutter Developer/Back-end Developer

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Education

2020 – present	**Faculty of Computer and Information Science, ASU,** GPA 3

Skills

Dart, Flutter, VSCode
Proficient

HTML, CSS, JavaScript
Familiar

OOP & SOLID principles

Data Structures and Algorithms
Experienced

MVVM & MVC architecture pattern

SQLite, SQL, and MySQL

Data Caching

Problem Solving

Java, C++, C#
Familiar

PHP, Laravel Framework

Bloc for state management

Firebase back-end service (Authentication , Firestore, and Cloud Storage)

RESTful API and API integration

Git version control system, GitHub

Localization for multiple language support

High communication, teamwork, and leadership skills

Professional Experience

Aug 2023 – present	**Flutter Development Intern,** Make Your Mircale - MYM ⧉
	Flutter Team-Lead of interns responsible for mobile applications production.
	Supervised the following projects:
	• Food Delivery app cloning the full experience of **Talabat** and **ElMenus** apps, built with:
	  - MVVM architecture
	  - BLoC state managament
	  - Responsive design
	  - Restful APIs
	  - Caching

Jul 2023 – Aug 2023	**Web development intern,** ITI ⧉ Completed the summer internship with a Blogging Platform Web application built with PHP, Laravel, MySQL, HTML, CSS, and JavaScript.

May 2023 – Jun 2023	**Katrina Tours - Trip & Car Booking Flutter App,** Freelancing Project ⧉
	• Worked on the following tasks:
	  - Used Cubit for state management and clean architecture
	  - Built regular and social authentication (using Facebook and Google consoles, their APIs, and also the company's API, handling errors and caching data)
	  - Localization with 6 languages for translation
	  - Real-time currency conversion to handle payment with different currencies.
	  - Building responsive screens and an animated splash screen.
	  - Data persistence manipulation

Projects

Jun 2023 – Jul 2023	**ChattyPal,** Flutter Chat app cloning Whatsapp Experience. ⧉
	• Built with :
	  - Responsive design for different screen sizes
	  - MVVM architecture
	  - Bloc for state management.
	  - Firebase as a back-end service (Email/Password authentication, Firestore, Cloud Storage)
	  - Data Caching
	  - Data persistence manipulation
	• Features:
	  - Registration and Login
	  - Customizable profile (Picture, Email, Password, Username, and Bio)

- Text messages
- Audio records (Play - Pause - Seek)
- Image messaging (Zoom in/out)
- Video messaging (Play - Pause - Seek - Mute - Fullscreen - Playback speed)
- Delete messages/chats
- Search for other users and show their profiles

Mar 2023 – May 2023   **ShopGram,** Flutter E-Commerce App for the next level shopping experience. ⌝
- Built with:
  - Bloc for state management
  - MVVM architecture
  - Firebase Email/Password Authentication
  - Firebase Firestore for storing data
  - Firebase Cloud Storage for storing multimedia files
  - Data persistence manipulation
- Features:
  - Registration and Login
  - Explore different products from different categories
  - Add products to the cart
  - Show personal profiles
  - Admin validation to add products and categories

Feb 2023 – Mar 2023   **Notes App,** Simple Flutter notes app to never lose a thought. ⌝
- Built with:
  - Bloc for state management
  - MVVM architecture
  - Firebase authentication (login, registration, and email confirmation)
  - Firebase Firestore to store notes.
  - SQLite for local data storage
- Features:
  - Registration and login
  - Add, edit, and delete notes

Aug 2023 – Aug 2023   **Blogging Platform,** Web Application ⌝
Built with:
- PHP
- Laravel Framework
- MySQL database
- HTML, CSS, JavaScript
Features:
- Registration and Login and deleting account
- Adding posts
- Adding comments on posts
- Search for posts

Sep 2022 – Dec 2022   **Mini Operating System,** OS project for college
Got full marks for implementing the main features of an operating system in C# such as:
- Process management
- Memory management
- I/O management
- Concurrency and Synchronization

Feb 2022 – May 2022   **Car showroom & garage system,** Data structures project for college
- Java-based project with various data structures used and algorithms implemented with SOLID principles
- Dynamic car showroom and garage system.
- Users can authenticate as normal or admin users.
- Browse an impressive collection of cars, complete with detailed information, available for purchase or rent.
- In the garage, users can choose from a range of services to keep their vehicles running smoothly.
- Admins get the green light to modify showrooms, cars, and garages. By adding, editing, and deleting them.
- Used a File-based database to store project data.

Feb 2021 – May 2021   **Airline company booking system,** Structured Programming project for college
- C++ based project
- Desktop application that manages flights booking process
- Implemented comprehensive admin features that enable adding, removing, and updating flight information
- Allowing users to view all available flights with detailed information, book or cancel a reservation
- Application data is stored locally using a File-based database

Certificates

- SQL basic and intermediate by HackerRank ⧉

Extracurricular Activities

Nov 2021 – Mar 2022	**MSP-ASU,** Android Development trainee
Oct 2020 – Jun 2021	**acmASCIS,** Problem solving and competitive programming trainee

Workshops and trainings

Jul 2022 – Aug 2022	**Android Development,** Faculty of Computer and Information Science, ASU
Feb 2022 – Mar 2022	**Flutter Workshop,** MSP-ASU
Jul 2021 – Aug 2021	**Front-end web development,** Faculty of Computer and Information Science, ASU

Languages

Arabic

English
Excellent spoken and written.