

# Omar Abdullah

Software Engineer

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## SUMMARY

- Experienced **Software Engineer** adept in designing, installing, testing and maintaining software systems. Proficient in various platforms, languages, and mobile development. Experienced with the latest cutting-edge development tools and procedures. Able to effectively self-manage during independent projects and collaborate as part of a productive team.

## TRAINING & COURSES

- The Complete 2022 Flutter & Dart Development Course - Udemy**
- Flutter Clean architecture - Udemy-2022**

## WORK EXPERIENCE

**WRL - Wireless Research Lab** | *Faculty of Engineering, Helwan University, Cairo, Egypt*

Research Developer

Sep 2021 - Present

- Developing Mobile Applications:** Write clean, maintainable, and efficient Flutter code for mobile applications. Collaborate with cross-functional teams, including designers, product managers, and other developers, to create robust and user-friendly apps.
- Implementing UI/UX Designs:** Translate design specifications into responsive and visually appealing user interfaces. Work closely with UI/UX designers to implement designs and ensure a consistent user experience across platforms.
- Debugging and Troubleshooting:** Identify and fix bugs, performance bottlenecks, and other issues in the codebase. Conduct thorough testing to ensure the reliability and stability of applications.
- Collaboration and Communication:** Actively participate in team meetings, code reviews, and discussions. Communicate effectively with team members to understand requirements and provide updates on project progress.
- Adopting Best Practices:** Follow coding standards, best practices, and development methodologies. Stay updated on the latest Flutter and Dart features and integrate them into the development process.
- Version Control:** Use version control systems (e.g., Git) to manage and track changes in the codebase. Collaborate with team members using branching, merging, and pull requests.
- Learning and Growth:** Take initiative in learning new technologies and tools related to Flutter development. Seek opportunities for professional development and skill enhancement.
- Code Reviews:** Participate in and conduct code reviews to ensure code quality, consistency, and adherence to best practices.
- Documentation:** Document code, processes, and project-related information to facilitate collaboration and knowledge transfer within the team.
- Cross-Platform Development:** Develop applications that run seamlessly on both iOS and Android platforms using Flutter's cross-platform capabilities.
- Performance Optimization:** Identify and implement performance optimization techniques to ensure smooth and efficient app performance.

Flutter

Dart

Postman

Figma

Git/GitHub

SQL

Design Patterns

Object-Oriented Design

C Programming

Arduino

C++

## PROJECTS

### Home Quarantine Application

Sep 2021 - Oct 2022

This is a home quarantine application to find out the date of your quarantine and to know whether you were inside or outside the place whether you were inside or outside the place of the quarantine through Wi-Fi and the connection of the bracelet as worn in the hand, connected with Bluetooth, and uses a set of algorithms using artificial intelligence and Flutter. And that was part of a research paper made at the faculty of engineering at Helwan University.

Flutter

Dart

Software Engineering and Development

Design Patterns

MVVM Architecture

Git/GitHub

### Smart home system Application

That app was part of a smart home control system that can control everything in the home, including lights and fans. A/C sound system RGB light colours All of these things are managed by this app with voice command control using speech-to-text technology. The whole project is controlled by Firebase Firestore, and the user can configure or add a new item of control with this app and have email, Google, and Facebook logins.

Flutter

Dart

Git/GitHub

Firebase

### EgyOutfit Application

Developed 'EgyOutfit,' a dynamic e-commerce multi-vendor application for both Android and iOS platforms, complemented by a robust admin panel for centralized control. The app empowers clothing stores to showcase and manage their products while providing a seamless experience for buyers. EgyOutfit delivers a tailored shopping experience, connecting buyers with a diverse array of clothing vendors. The app's powerful admin panel ensures efficient management and control over the entire e-commerce ecosystem, fostering a thriving marketplace for commercial clothes.

[Flutter](#)[Dart](#)[Git/GitHub](#)[Firebase](#)[Adobe XD](#)

## ElManassa Application

Developed 'ElManassa' educational application facilitating seamless communication between students, teachers, and parents. The platform empowers teachers to showcase courses through an intuitive and visually appealing GUI, enhancing the user experience. Students can easily explore and subscribe to courses tailored for their respective grades, accessing course details and teacher-created YouTube videos for enhanced learning. The app offers a user-friendly search feature, allowing students to discover courses by simply selecting their grade. Subscribed courses are neatly organized in a dedicated tab, providing convenient access to videos and quizzes assigned by teachers. Students are assigned a unique QR code for their profile, streamlining communication. For parents, 'ElManassa' provides a comprehensive overview of their child's academic journey. Parents can register, scan their child's QR code, and review grades and progress. The app fosters a collaborative educational environment, promoting effective communication between students, teachers, and parents for a holistic learning experience.

[Flutter](#)[Dart](#)[Git/GitHub](#)[REST API](#)[Adobe XD](#)

## Artistic Wallpaper Application

Created 'Artistic Wallpaper' a visually stunning wallpaper gallery app designed to elevate the user's mobile experience. This application offers a diverse collection of high-quality wallpapers across a wide range of categories, allowing users to discover and set captivating backgrounds for their phones. brings together functionality and aesthetics, providing users with a delightful platform to discover, preview, and personalize their mobile devices with beautiful and artistic wallpapers.

[Flutter](#)[Dart](#)[Git/GitHub](#)[REST API](#)

## EDUCATION

### Faculty of Engineering, Helwan University | *Cairo, Egypt*

Sep 2019 - Present

- Bachelor of Science in Electronics, Communications and Computer Engineering - Computer and Systems Engineering

### Elsalam Technical Integrated Cluster (ETIC) | *Cairo, Egypt*

May 2017 - Sep 2019

- Diploma in Electrical and Electronics Engineering

## VOLUNTEERING

### Software Engineer | *MCT*

Software Engineer

Fep 2021 - July 2022

- That was volunteering work for a charity organization to improve old schools in our district and we have made a smart school system in these schools and made a control system for the school labs and I have made a mobile app to control it.

## LANGUAGES

**English** Professional working proficiency

**Arabic** Native or bilingual proficiency

## SKILLS

[Flutter](#)[dart](#)[Firebase](#)[Figma](#)[Adobe XD](#)[Git/GitHub](#)[Postman](#)

## OTHER SKILLS

[Linux](#)[C Programming](#)[Arduino](#)[C++](#)[C#](#)[Python](#)[Java](#)