

# Mohammed Salam

Mobile Developer

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📍 Damascus, Syria

🌐 [mohammedsalam22](https://github.com/mohammedsalam22)

*Enthusiastic and dedicated mobile developer with a strong foundation in mobile app development using Flutter. Skilled in creating user-friendly and high-performance mobile applications. Eager to learn, grow, and contribute to innovative projects, with a passion for staying up-to-date with the latest mobile technologies and trends.*

## Education

### Damascus University 2020 – 2025

Damascus, Syria

*Pursuing a Bachelor's Degree in Information Technology Engineering – Software Engineering Specialization.*

- *Learned software engineering principles and methodologies.*
- *Designed and developed scalable and maintainable software applications.*
- *Collaborated with teams to design scalable and maintainable app architectures*
- *Worked on integrating APIs and third-party services to enhance app functionality*
- *Improved critical thinking and problem-solving skills through various technical projects.*

## Projects

### Red Crescent Inventory and Workflow Automation System 🌀 | Flutter, Laravel, React.

Octobre 2024 - Now

The system is designed to optimize warehouse operations with advanced automation and real-time tracking, enhancing efficiency, reducing errors, and providing full visibility into inventory and workflows. Key features include:

- Developed dynamic record management to generate and track sender details, including materials, quantities, and warehouse information
- Designed a receiver record system to log incoming materials with item details, quantities, and associated warehouses.
- Implemented a demander record system to handle material requests, specifying items, quantities, and processing details.
- Integrated a QR scanner for instant retrieval of record details via QR code scanning.
- Automated QR code generation to create unique codes for each record.
- Enabled real-time record status tracking to monitor and update progress efficiently.
- Designed interactive chart tables to visualize materials and warehouse data for better insights.
- Built a material viewing feature to access detailed information about items stored in the warehouse.
- Developed an inventory management system to track and organize stock by specific dates.
- Created an inventory reporting system to generate detailed reports for data-driven decision-making.
- Integrated a notification system to provide timely updates and alerts.
- Improved system efficiency with optimized database design and queries while strengthening data security through role-based authentication and access control.

### Private Hospital Management Application 🌀 | Flutter, Node.js, express.js,

July 2024

- Automated a comprehensive hospital management system, covering key departments such as employee records, patient records, laboratory and radiology workflows, patient rooms, ICU, and operating rooms.
- Designed and implemented a consultation, referral, and patient file retrieval system to streamline hospital operations.
- Integrated WebSocket technology to enable real-time notifications, improving communication and responsiveness across departments.
- Applied modular design principles and layered architecture to ensure scalability and maintainability of the application.
- Enhanced data security and access control by implementing role-based authentication and authorization.
- Optimized system performance through efficient database design and query optimization techniques.

- Developed a pharmacy application with features for browsing categories and viewing drugs within each category
- Implemented a search functionality to allow users to quickly find drugs by name or category.
- Designed and built a complete ordering system, including cart management, order confirmation, and order tracking.
- Integrated real-time notifications to keep users updated on order status and promotions.
- Enhanced user experience with a clean and intuitive interface for seamless navigation and interaction.
- Created an admin dashboard to manage categories, add new drugs, view orders, and update order statuses.
- Enhanced user experience with a clean and intuitive interface for seamless navigation and interaction.

## Courses

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- |   |                                    |
|---|------------------------------------|
| • Flutter (Udemy).                          | • Figma(Coursera).                 |
| • MySQL (Mosh).                             | • Clean architecture (Udemy).      |
| • Algorithm and data structures (Coursera). | • Prompt Engineering (Coursera).   |
| • Version Control (Coursera).               | • Software Engineering (Coursera). |

## Technical Skills

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- **Programming Languages:** Dart, Java, PHP, HTML, CSS, JavaScript, SQL
  - **State Management:** Bloc/Cubit, GetX, Provider
  - **API Integration:** Experience in consuming RESTful APIs and handling JSON data.
  - **Database Management :**
    - o Local storage: SQLite, Hive, Shared Preferences
    - o Cloud storage: Firebase Firestore
  - **Testing :** Unit Testing ,Widget Testing ,Integration Testing,
  - **App Deployment:** Publishing apps to Google Play Store and Apple App Store
  - **Real-Time:** WebSocket integration for real-time data updates and notifications
  - **Others:** Clean architecture ,Problem-Solving, Design Patterns, Design Principles, solid, Jira, and Scrum.

## Languages

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- Arabic (Mother tongue).
  - English (Level C1).