

# Mohamad Ghanem

Software Developer

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## Education

**Bachelor's Degree in Computer Science**

**10/2022 – 07/2025**

Graduated from Islamic University of Lebanon

## Training

**SE<sup>2</sup> Software Engineering Program (Ongoing)**

**2025.**

- Built **parsers** to read and write structured data from multiple file formats (CSV, XML, JSON)
- Designed **abstract models** and implemented **SOLID principles** to create scalable architecture
- Developed **mappers** to dynamically objects and convert raw data into strongly typed arrays.
- Created a repository layer for full CRUD operations
- Implemented **unit tests** using **Jest**, improving reliability and test coverage
- Used **Git** for version control, opened and reviewed **Pull Requests** to submit assignments
- Database Persistence & Data Management

## Personal Projects

**Transportation Mobile App:** [GitHub](#)

**2024-2025**

- Developed a cross-platform transportation and scheduling app using **Flutter**, **PHP**, and **MySQL**.
- Integrated **Google Sign-In** for secure authentication
- implemented **Google Maps** for location selection
- Leveraged **Google Gemini API** to arrange passenger pickup points.
- Integrated **Stripe** Payment Gateway (test mode) to simulate **online payments**.
- Enabled **push notifications** using Firebase Cloud Messaging and device tokens.

**Car Sales and Rental System:** [GitHub](#)

**2024**

- Built a desktop application in **C#** for managing car rentals and sales.
- Designed features for inventory tracking, customer interaction, and transaction management.
- Developed the user interface with Windows Forms and integrated data handling logic.
- Database implemented on SQL Server

**My Store Web Application:** [GitHub](#)

**2024**

• Built simple a full-stack e-commerce web app with Angular, Node.js/Express, and MySQL, featuring separate interfaces for customers and manager.

**Clinic Appointment App:** [GitHub](#)

**2024**

- Created an Android application using **Java**, **XML** to manage clinic appointments.
- Enabled doctors to add appointments and patients to view them through real-time updates.
- Utilized **Firebase Real time Database** for dynamic data handling.

## Skills

Languages & Frameworks: Flutter, Angular, Java, PHP, C# .NET, C++, TypeScript

Web: HTML5, CSS, Bootstrap, Tailwind

Databases: MySQL, SQL Server

Software Practices: OOP, SOLID Principles, Design Patterns

Tools: Git, Firebase