

Maroun El Khoury

Phone: (+961) 71 673 035 **Email:** marounkhoury59@gmail.com **Address:** Fanar, Beirut

LinkedIn: [linkedin.com/in/marounelkhoury-dev](https://www.linkedin.com/in/marounelkhoury-dev) **GitHub:** github.com/marounelkhoury **Portfolio:** maroun-el-khoury-portfolio.netlify.app

Summary

Computer Science student and software developer with experience building enterprise applications on the Microsoft Power Platform alongside Flutter, Java, and C++. Skilled in designing business solutions, building scalable Dataverse data models, extending Power Pages and Dynamics 365 through custom PCF controls and server-side plugins, and building AI agents with Copilot Studio and Power Automate. Combines a strong analytical background in physics with practical experience in software architecture, mobile development, and low-code enterprise platforms.

Professional Experience

Javista (Microsoft Partner) — Software Engineering Intern — Power Platform *January 2026 – May 2026*

- Designed and developed EverRoots, a multilingual agricultural cooperative platform on Microsoft Power Platform (Power Pages, Model-Driven Apps, Dataverse), enabling translated lookup-field display in Power Pages.
- Extended the platform beyond native capabilities with a custom PCF control (React/TypeScript), and a C# Dataverse plugin.
- Implemented language-independent Dataverse data models with content-snippet-driven translation, and configured role-based access control and Web API permissions so portal users securely accessed only their own records.
- Built a Lab Compliance Assistant AI agent in Microsoft Copilot Studio over Dataverse, covering retrieval (document and table knowledge), task (Power Automate agent flows), and autonomous behaviors (scheduled triggers).
- Contributed across the full solution lifecycle: requirements analysis, architecture, database modeling, and managed-solution deployment, following Agile practices with weekly reviews and technical presentations.

XpertBot Academy — Mobile Developer & Data Science Intern *November 2024 – June 2025*

- Developed and deployed a high-performance Flutter/Dart smart home automation app using the MVC architecture, and applied data analytics to optimize performance and feature design.

National Protestant School, Kfarshima — Physics Teacher/Mathematics Special Educator *November 2023 – July 2024*

- Created interactive physics and mathematics lessons for middle school students and designed individualized learning plans (IEPs) to support each student's needs throughout the academic year.

Projects

EverRoots — Multilingual Agricultural Management Platform

- End-to-end Power Platform solution connecting clients (Power Pages portal) with coordinators (Model-Driven back office) over Dataverse; built a generic translated-lookup PCF component plus a companion C# plugin that promotes GUID text into proper lookup references server-side, solving Power Pages' native inability to bind PCF controls to lookup fields and display translated dynamic data. Authored the architecture, schema, and user stories.

Lab Compliance Assistant — Copilot Studio AI Agent

- AI agent in Microsoft Copilot Studio managing 200+ chemical batches, equipment, and staff certifications across four Dataverse tables, demonstrating retrieval, task, and autonomous agent levels.
- Built 8+ Power Automate flows and autonomous triggers for auto-expiry, restock, and compliance alerts, plus Teams adaptive-card approvals and role-based access; published to Microsoft Teams.

Skills

Programming Languages: C++, Java, Python, Dart, JavaScript / TypeScript

Microsoft Technologies: Power Platform, Power Pages, Power Apps, Model-Driven Apps, Dataverse, PCF, Power Automate, Copilot Studio, Dynamics 365

Frameworks & Tools: Flutter, React, Git, SQL, HTML/CSS, MVC Architecture

Concepts: REST & Custom APIs, Plugin Development, Role-Based Security, Entity Modeling, Enterprise Architecture, Agile, Multilingual System Design

Data & Other: Pandas, NumPy, SQL, MATLAB | Teamwork, Problem-Solving, Communication, Adaptability

Education

Lebanese University, Fanar

Bachelor's Degree in Computer Science *(2024 – 2026)*

Master's Degree in Fundamental Physics, Nanoscience and Functional Materials

Thesis focused on microfluidics and electrokinetic transport phenomena.

Certificates: Google Data Analytics • Using Databases with Python • Python Data Structures *(Coursera)*