

Ali Bdeir

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WORK EXPERIENCE

Mastermind Corp.

March 2018 – Present

Full-time Full-stack Software Developer

Beirut, Lebanon / Livonia, MI

- Developed and implemented the frontend of a Native Android application to manage appointments, work orders, and quotes for the salespeople of a garage door supplier company in Florida.
- Collaborated on a C# Windows Forms desktop app for a Florida-based metal manufacturing company. The app streamlines equipment management, maintenance schedules, and work orders. Contributed to the implementation of key features and functionality to support these processes.
- Designed, developed, and maintained the entire React/ASP.NET/SQL Server tech stack for a web application serving a garage door supplier company as the sole full-stack developer. The web application facilitated customer appointment management, proposal and quote generation, access to product specification sheets, and real-time chat with customers via an integrated SMS system.

Citizen Robotics

February 2023

Full-stack Software Developer Freelancer

Detroit, MI

- As a freelance software developer, created a React/ASP.NET/SQL Server application for a non-profit organization experimenting with 3D printed houses. This application enabled the organization to store and manage data from experiments testing 3D printing materials, allowing them to determine the optimal quantities of each substance to use in the printing process.

The NET

June 2019 – August 2019

Software Development Intern

Beirut, Lebanon

- Developed a Windows Forms app that displayed real-time instructions for warehouse personnel on a large screen. Designed a user-friendly interface that provided clear guidance on picking and packing items for efficient order fulfillment.

PROJECTS

BLUF

- Led a 4-person team in developing BLUF, an award-winning AI-powered app that summarizes YouTube videos and answers user questions, in 24 hours. BLUF won first place at the Dearborn MLH hackathon in 2023 and is written with React & Flask, delivering a seamless user experience with a perfect blend of technology and design.

Hospital Bed Tracker

- Built an open-source website using ASP.NET Razor Pages and SQL Server with EF Core. It provided real-time information on local hospital capacities during COVID-19 pandemic. Hospitals could update and display the availability of room types (ICU, COVID-19, Emergency, etc.) to the public.

College Attendance Tracker

- Built a Java-based Android app for attendance tracking at the American University of Beirut. Leveraged NFC technology for students to register attendance by tapping their ID cards on the professor's phone. The app securely stores data locally and on an Azure Functions backend.

EDUCATION

The University of Michigan-Dearborn

Sept. 2021 – May 2025

BS, Computer & Information Science

Dearborn, MI

- 3.9/4 GPA

Technologies / Frameworks

React (TypeScript / JavaScript), ASP.NET & Windows Forms (.NET CORE / C#), Native Android (Java), Flask (Python), SQL Server, Entity Framework Core, Visual Studio 2022