Mohamad Ismail

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WORK EXPERIENCE

Mastermind Corps   **JULY 2025 - PRESENT**
Full Stack Developer   *Florida, USA(Remotely from Beirut, Lebanon)*

- Developed a full-stack web application using ASP.NET Core (C#) for the backend and React with TypeScript for the frontend, digitizing the entire garage door installation workflow from appointments to job completion.
- Implemented role-based access control (RBAC), allowing different permissions and dashboards for admins, installers, inspectors, and sales staff.
- Designed and integrated customer management and tracking system, logging interactions across appointments, inspections, proposals, orders, installations, and post-installation job checks.
- Built task and job tracking modules for team members, enabling managers to assign, monitor, and audit work progress in real time.
- Developed dynamic forms and proposal generation tools for garage door installations, including support for custom line items, pricing, and signatures, fully integrated with the backend workflow.
- Implemented database design and integration with SQL Server, supporting complex relationships between customers, appointments, proposals, orders, and employees.
- Optimized application performance with API endpoints, lazy loading in React, and efficient data querying, handling large customer and job datasets efficiently.
- Applied modern UI/UX principles to provide an intuitive and responsive interface across desktop and tablet devices for field technicians and office staff.

Grand Works Back Office Solutions   **JUNE 2024 - FEBRUARY 2025**
Software Developer   *Beirut, Lebanon (Hybrid)*

- Designed and implemented a Python-based audio hashing and matching system to detect duplicate or related audio segments across large datasets.
- Built a Python tool to fingerprint images from video frames for fast visual similarity matching
- Automated the setup of AWS EC2 instances, including static IP assignment, storage configuration, and network rules, for scalable deployment of analysis tools.
- Installed and configured CUDA and dependencies on Linux EC2 machines to support high-performance audio processing and matching.
- Developed tools to fetch and store post metadata (Facebook, YouTube, Snapchat) into a database and generated monthly income and ownership share reports in CSV format.
- Built a script to fetch and download videos from various platforms, run external Python analysis scripts, and store results in structured CSV reports.
- Created reusable Node.js modules and custom hooks (e.g., retry-request logic) to streamline development workflows and error handling.
- Implemented a redundancy detection script to analyze and report code overlap across one or multiple scripts.
- Built a Python script to compare and eliminate matching rows between two CSV sheets, improving data accuracy in reporting pipelines.

A&H Invest   **APRIL 2022 - OCTOBER 2023**
Front End Developer   *Beirut, Lebanon*

- Developed the user-facing mobile application using ReactJS and Ionic, targeting both Android and iOS devices.
- Built a robust admin web interface to allow store owners to register, manage product listings, update inventory, and view analytics.
- Implemented authentication using JWT Bearer tokens, supporting different access levels based on user roles.
- Developed product filtering and search capabilities to enhance user experience for both customers and vendors.
- Ensured smooth data flow between frontend and backend through REST API integration.
- Focused on responsive design and performance optimization for seamless access across devices.
- Collaborated closely with UI/UX designers and backend developers to deliver a consistent and scalable interface.

Remix Code   **JULY 2021 - APRIL 2022**
Front End Developer   *Beirut, Lebanon*
- Developed the "Talabetak" delivery platform using Angular and Ionic, designed specifically for drivers to manage and track deliveries.
- Implemented key features such as job assignment, live location tracking, and delivery status updates.
- Built a mobile-first interface that allowed drivers to view active, upcoming, and completed delivery requests.
- Integrated real-time updates for delivery progress and job changes using REST APIs and event-driven logic.
- Focused on usability and efficiency, ensuring the app worked reliably in low-connectivity environments.
- Collaborated with the backend team to define API endpoints and ensure proper data handling and synchronization.

SE Factory   **OCTOBER 2020 - JANUARY 2021**
Cycle #2 Graduate   *Beirut, Lebanon (Remote)*
Completed a 14-week intensive full-stack program covering cloud, frontend/backend dev, source control, and security.

EDUCATION
Lebanese International University, Beirut, Lebanon — Bachelor in Computer Science
Lebanese International University, Beirut, Lebanon — Bachelor in Mechanical Engineering

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SKILLS & INTERESTS
Skills: JavaScript, Python, Dart, TypeScript, Node.js, React, Ionic, Flask, Flutter, Laravel, PHP, HTML, CSS, MySQL, AWS EC2, Capacitor
Interests: Football, video games, reading, and hiking.