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WORK EXPERIENCE

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

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.