



# Marwa Moussa

## Computer Engineer

### My Contact

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### Hard Skill

- Java- Php Html5 - CSS - Typescript-
- Nodejs- Javascript(React-Next Js) Yii2
- framework Python - Linux - Docker MySQL -
- SQL Proteus ( Design circuits app) Git -
- React(basics) Network(TCP/IP protocols) -
- Lora - Restful Apis- Subgraphs
- Frappe(erpnext)- MongoDB & Redis (basic knowledge)

### Soft Skill

- Team worker
- Patient and Persistent
- work under pressure
- Passionate and Self-motivated
- self and quick learner
- Problem solver

### Education Background

Lebanese International University  
*BE in computer and communication Engineering*  
Completed in October 2021

Lycee Fakher El Dinne School Official

Baccalaureate in General Science  
Completed in 2017

### Languages

- Arabic
- English
- French

### About Me

An ambitious Junior Computer and Communication Engineer with hands-on experience in backend and smart contract development. Skilled in building scalable services using NestJS, TypeScript, and Docker, as well as creating interactive web applications with ReactJS, HTML, and CSS. Proficient in multiple programming languages including Java, Javascript, and Python, with practical knowledge of databases (MySQL, MongoDB, Redis, DynamoDB) and API integrations.

### Experience & Internships

#### White stork | Nestjs Backend Developer at IVXProject

April 2024-July 2025

- Designed and developed scalable backend services using NestJS and TypeScript.
- Built and integrated RESTful APIs for internal tools and external applications.
- Wrote unit and integration tests to ensure application reliability and maintainability.
- Used Docker to containerize services and simplify deployment processes.
- Studied MongoDB and Redis for data storage and caching to improve performance, while gaining production experience with DynamoDB.
- Developed and maintained reusable ReactJS components to ensure scalability and consistency across the application.

#### White Stork | Smart Contract Developer at BMBN Project

December 2024-March 2025

- Designed and implemented a Solidity smart contract leveraging Uniswap protocol Contributed to deployment and testing of on-chain functionalities Tested the on-chain functionalities on the berachain blockchain.

#### Biometric Sync Project – Python Backend Developer

July2025 – September2025

- Integrated ZKTeco fingerprint device with Python to capture and process real-time biometric attendance data. Investigated ERPNext
- APIs and data models for future integration. Built foundational scripts to parse and prepare data for syncing into ERP systems.

#### Webased & Synaps | Software Engineer Intern

August 2022 – October 2022

#### A Smart irrigation System(Raspberry pi, pico, Lora-pico, soil moisture light humidity pressure flow meter and proximity sensors)

- Created a UI using React and Recharts for data visualization. Wrote
- Python scripts to read sensor data from Raspberry Pi Pico, store it in MySQL, and validate accuracy through manual testing. Connected
- and debugged hardware components for the system. Transmitted
- and received data using LoRa (Tx-Rx).

### Certificates

- ReactThe Complete 2023 Guide, Udemy Course The Complete 2023
- web development bootcamp, Udemy Course React Js online workshop
- Remote, 2022 Artificial Intelligence online course, DOT L