

Maryam Tahan

Junior Full Stack Developer

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Junior Full Stack Developer with hands on experience building web and mobile applications using React, Node.js, PHP, and MongoDB. Strong foundation in object oriented programming, RESTful APIs, and full software development lifecycle. Proven ability to collaborate in team environments through hackathons, academic projects, and Google Developer Student Clubs. Actively developing skills in software engineering best practices, system design, and backend architecture.

Projects

CityConnect Frontend Developer | React.js

Frontend Developer

Hackathon Team Project

- Developed frontend interface using ReactJS for a civic tech solution enabling Lebanese citizens to report infrastructure problems (potholes, water leaks, traffic, garbage) directly to municipalities
- Led UI/UX design with focus on accessibility and inclusive design, creating intuitive workflows for users of all ages, including elderly populations with limited technical experience.
- Performed user testing and iteration cycles to ensure platform met real world usability standards and addressed actual pain points experienced by community members

AI Sign Language Translator | Python

Oct 2023 - Feb 2024

Frontend Developer, AI Model Integrator

Microsoft Imagine Cup Team Project

- Contributed to frontend interface development and integration of machine learning models for real-time gesture recognition.
- Collaborated in a team environment to deliver an accessible communication tool bridging deaf and hearing users.

Car Rental System | PHP, MySQL

Nov 2024 - Dec 2024

Developer

Personal Project

- Engineered a car rental management application using Object Oriented Programming (OOP) principles in PHP implementing core concepts including inheritance, encapsulation, and polymorphism
- Designed modular class architecture with separate entities for Cars, Customers, and Rentals, ensuring clean code, reusability, and maintainability.
- Built features including vehicle availability checks, rental calculations, and booking history management.
- Applied MVC architecture and best coding practices to ensure scalable.

Camera-Web | Node.js, Express.js, MongoDB

Jan 2026 - Feb 2026

Developer

Team Project

- Developed a full-stack browser-based camera application using HTML5, CSS3, and JavaScript with Node.js backend, capturing photos via MediaDevices/getUserMedia API and managing images through a complete gallery system
- Implemented complete CRUD operations with MongoDB database to store user information and image metadata, and imgBB cloud storage for secure, scalable image file hosting and retrieval.
- Built RESTful API for seamless frontend backend communication, handling user management, image uploads to imgBB, metadata storage, and synchronized deletion across database and cloud

- Applied asynchronous JavaScript (async/await) and NoSQL database design principles for efficient data management and scalable architecture

Jewelry Retail SaaS — Market Validation & System Design

Feb 2026 - Mar 2026

- Conducted proactive customer discovery interviews with Lebanese jewelers to validate demand for a real-time gold pricing and invoicing platform before writing any code.
- Designed conceptual system architecture including live gold API integration, real-time calculation engine, and automated PDF invoice generation.
- Identified market misalignment between assumed pain point and actual willingness to pay - deliberately halted development, saving 80+ hours of build time and demonstrating data-driven decision making.

Core Skills

Programming Languages: Java, Python, C, C#, PHP, JavaScript

Frontend Development: ReactJS, React Native, HTML5, CSS3, Responsive Design

Tools & Concepts: Git/GitHub, Data Structures and Algorithms, CRUD Operations, SOLID Principles, Design Patterns, Leetcode (ongoing)

Backend Development: Node.js, Express.js, RESTful API, PHP (OOP)

Database & Storage: MongoDB, MySQL, Cloud Storage (imgBB)

Soft Skills: Teamwork, Communication

System and scripting: Linux, Shell Scripting, XSLT, XML, XPath

Education

Lebanese University

Sep 2025 - Present

Master Software Engineer

Lebanese University

Oct 2021 - Jun 2025

Bachelor Computer Science

Languages

Arabic (*Native*), **English** (*Intermediate*)

Additional

- Software Engineering Excellence (SE²) Program | Smai Shames El Deen Enrolled | Ongoing Advancing expertise in SOLID principles, design patterns, backend architecture, RESTful API design, microservices, database optimization, CI/CD pipelines (GitHub Actions), and Agile project management. Developing skills in code quality standards and building production grade, enterprise-level applications.
- Capture The Flag (CTF) Cybersecurity Challenges Enrolled | Ongoing Actively participating in CTF challenges to develop practical cybersecurity and ethical hacking skills .