

Rami ELMASALKHI

Full-Stack Developer

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📍 Choueifat, Lebanon

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Computer Science graduate with a Master 1 in Advanced Software Engineering, strong skills in software development, algorithms, and system design. Proven ability to solve complex problems and deliver scalable solutions. Experienced in both theory and practice, with a commitment to continuous learning and teamwork.

EXPERIENCE

Freelance IT Technician (Part-Time)

- Installed and maintained CCTV surveillance systems, intrusion detection systems, and optical fiber networks including splicing and testing for network reliability.
- Gained hands-on experience in configuring security systems and troubleshooting hardware issues.
- Configured and troubleshooted routers and basic network setups for small offices and residential clients.

PROJECTS

Coffee Shop Management Web App

A full-stack web app using **HTML**, **CSS**, **JavaScript** (frontend) and **Node.js** with **MySQL** (backend) to manage menus, orders, and pricing. Designed to help university students save time by pre-scheduling orders through a responsive, user-friendly interface.

Invoice Management System (Local Web App)

Developed a web-based invoicing solution using **HTML**, **CSS**, and **JavaScript** to automate invoice creation, product management, and cost calculations.

Family Tree Management System

Developed a **Java Swing** application with **MySQL** integration to manage and visualize family tree relationships.

University Management System

Created a **JavaFX** application with **MySQL** integration for managing student records, including enrollment, grades, and staff. Implemented search and filtering for enhanced usability.

ARDUINO PROJECTS

Money Counter

Built a real-time money counter using Arduino and sensors to detect and count bills, displaying results on a digital interface.

Egg Incubator

Designed an automated egg incubator with Arduino sensors to control temperature and humidity, optimizing hatch rates.

CNC Printer

Developed a custom CNC printer using Arduino with stepper motors, precise positioning, and basic G-code support.

VOLUNTEER WORK

Organizer, ARC – Annual Robotic Competition 2023 | Present

Managed event logistics, ensured compliance with robotics design rules for structure, sensors, and autonomy, and collaborated with judges to assess code quality and innovation.

Volunteer, NGO – Wrapped In Dignity 2022 | Present

Collaborated with a team to wrap and distribute food to support those in need.

EDUCATION

2025

Master of Computer Science

Lebanese university, faculty of science

2024

Bachelor of Computer Science

Lebanese university, faculty of science

TECHNICAL SKILLS

- Programming Languages:
C, Java, C++, C#, PHP, Python
- Web Development:
HTML, CSS, JavaScript, Node.js
- Mobile Development:
Flutter (Dart), Android (Java)
- Frameworks:
Spring Boot, ASP.NET Core
- Databases:
MySQL, Microsoft SQL, SQLite
- IoT and Embedded Systems:
Arduino
- Version Control & Collaboration:
Git, GitHub

CERTIFICATES

Computer Maintenance

50 hours | 2021

Skills Development and Livelihood Program

LANGUAGES

- French: B2 (L3 degree completed at university)
- English: (Intermediate)