

Jad El Sayegh

Software Engineer

Saoufar

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EXPERIENCE

RealPixel, Lebanon — *Web Development Intern*

MAY 2025 – JULY 2025

1. Developed full-stack web applications with focus on core functionality and security considerations.
2. Built an internal management system for tracking employees, tasks, attendance, and leave workflows.
3. Created a Flask-based AI tool for social media content analysis and hashtag generation using image processing and AI APIs.
4. Worked across multiple projects involving backend and frontend development, database management, and API integration.

Technologies used:

Node.js, React, Firebase, PHP, MySQL (phpMyAdmin), JavaScript, HTML, CSS, Python, Flask, OpenCV, OpenAI API

EDUCATION

Modern University of Business and Science, Lebanon *Bachelor in Computer Science – GPA: 3.39/4.0*

OCTOBER 2022 – AUGUST 2025

Relevant Coursework:

- Data Structures & Algorithms
- Database Systems
- AI & Machine Learning
- Networking
- Software Engineering

Thesis: An Android-based smart parking system using Arduino (RFID, IR, Bluetooth) and Firebase enables real-time slot monitoring, automated entry/exit, and dynamic billing.

SKILLS

Programming

Python, C#, JavaScript, Java, PHP

Frontend

React.js, Next.js, CSS3, HTML5

Backend & APIs

REST API, Flask, Node.js, Express.js

Databases

PostgreSQL, MySQL, MongoDB, Firebase

Cloud & Infrastructure

AWS Cloud Practitioner, Networking Fundamentals

Tools

Git, GitHub, CI/CD Concepts, Render Deployment, Linux Basics, VS Code, Copilot AI

SOFT SKILLS

Time management,
Attention to details,
Fast Learner,
Independent team player,
Efficient and timely,
High communication skills,
Problem Solving,
Client needs focus

LANGUAGES

English, Arabic, French

AWARDS AND ACHIEVEMENTS

1. Graduated with Honors
2. uCertify AWS Certified Cloud Practitioner

FREELANCE / PERSONAL PROJECT

1. Timeless Parking: Developed Android based smart parking application with Admin and User panels using Java, Firebase, and IoT integration. Implemented GitHub Actions workflows for automated build and development processes.
2. Developed and tested real time bird detection model using Python, YOLOv8, and OpenCV, trained and evaluated performance on image datasets through iterative testing and optimization.
3. Conducted data cleaning, validation, visualization, and predictive modeling using Pandas and Scikit learn. Verified dataset consistency and generated analytical insights from large structured datasets.
4. Built and deployed full stack Blog Journal platform using Node.js, Express.js, MongoDB, and EJS with Render cloud deployment and Git based workflow management.
5. Simulated TCP SYN Flood attack in a controlled virtual environment using Kali Linux, Metasploit, and Wireshark; analyzed network traffic behavior and system impact.