

Daniel Wissam Rawda

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OVERVIEW

Software developer specializing in full-stack web and cross-platform mobile development. Experienced building production-grade applications using React, NestJS, Flutter, and Firebase, with a strong focus on clean architecture, real-world problem solving, and user-centered design.

EDUCATION

Bachelor of Science in Computer Science

June 2026

GPA: 3.7 / 4.0

WORK EXPERIENCE

Technical Lab Assistant

February 2024 – Present

University of Balamand | Lebanon

- Facilitate weekly programming lab sessions for undergraduate students, providing real-time guidance on core CS concepts including data structures, algorithms, and OOP.
- Diagnose and resolve student code bugs during practical sessions, reducing downtime and improving lab completion rates.
- Collaborate with faculty to develop and review lab exercises aligned with course curriculum.

Freelance Software Developer

2024 – Present

Independent | Remote

- Design and develop custom web and mobile applications for clients, covering full-stack implementation from UI/UX to backend APIs and database architecture.
- Deliver production-ready solutions independently, managing client requirements, timelines, and deployments end to end.

PROJECTS

EchoWave — Music Streaming Platform *React · TypeScript · NestJS ·*

[GitHub](#) ■

PostgreSQL

Deployment in progress

- Engineered a full-stack music streaming platform with a React TypeScript frontend and a NestJS REST API backed by a PostgreSQL relational database.
- Implemented social features including liking and commenting on songs and artists, real-time mood-based song suggestions, and an AI chatbot assistant for user guidance.
- Designed a normalized database schema supporting user authentication, playlist management, and full interaction history.

StreetSnitch — Civic Infrastructure Reporting Platform *Flutter · Dart*

[GitHub](#) ■

· *Firebase · Google Vision API*

Deployment in progress

- Built a cross-platform civic reporting app (Android/iOS) enabling citizens to submit geotagged, photo-based infrastructure reports covering potholes, damaged streetlights, and road hazards.
- Integrated Google Vision API via Firebase Cloud Functions for AI-powered automatic report category classification from submitted photos.
- Developed a municipality admin dashboard with role-based access, report filtering, status management, Google Maps integration, and heatmap-style analytics.
- Implemented full offline support using Hive for local queuing with automatic sync on reconnection, and Firebase Cloud Messaging for real-time status push notifications.

Rose Candles — Client E-Commerce Web Application *Full-Stack*

In Development

Web Development

- Developing a freelance e-commerce platform for a candle design business, enabling customers to browse, customize, and place orders for bespoke candle products.
- Building a full-stack solution with product catalog management, custom order configuration, and a client-facing admin panel for order tracking.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Dart, Java, C++, HTML, CSS, SQL

Frontend: React, Flutter, JavaFX

Backend: Node.js, NestJS, Spring Boot, Firebase Cloud Functions

Databases: PostgreSQL, MySQL, Cloud Firestore

Tools & Platforms: Git, GitHub, VS Code, IntelliJ IDEA, VMware, VirtualBox, Google Antigravity IDE

Operating Systems: Windows, Linux

CERTIFICATIONS

- **Web Security Workshop** — Google Developer Club on Campus – UOB SEG
- **Cybersecurity Workshop Certificate** — Semicolon Academy
- **Google AI Essentials Certificate** — Google
- **Claude 101 · Introduction to Agent Skills · AI Fluency: Framework & Foundations** — Anthropic
- **Introduction to Cybersecurity** — Cisco
- **GitHub Foundations Certificate** — GitHub
- **IBM Data Analysis Certificate** — IBM

EXTRACURRICULAR ACTIVITIES

IT Specialist — Robotics Club

September 2025 – Present

University of Balamand | Lebanon

- Maintain technical infrastructure and resolve hardware/software issues across active robotics projects.

- Develop and integrate code components into club robotics systems across build cycles.

Logistics Member — Developers' Club

September 2025 – Present

University of Balamand | Lebanon

- Coordinate logistics for developer workshops, hackathons, and coding sessions for 50+ student members.
- Manage technical resources and scheduling to ensure smooth event execution.

LANGUAGES

Arabic (Native) **English** (Advanced)