

CONTACT

karimjobeily@gmail.com
+961 81 807 805
Beirut, Lebanon

TECHNICAL SKILLS

●●●●● *Advanced* ●●●●● *Basic*

Programming languages

Java	●●●●●
JavaScript	●●●●●
TypeScript	●●●●●
SQL	●●●●●
C++	●●●●●
Python	●●●●●
PHP	●●●●●
Dart	●●●●●

Frontend

React	●●●●●
Vite	●●●●●
PWA development	●●●●●
Flutter	●●●●●

Backend and data

Node.js	●●●●●
Fastify	●●●●●
REST APIs	●●●●●
PostgreSQL	●●●●●
Schema design	●●●●●
MySQL	●●●●●
Query optimization	●●●●●

Cloud and DevOps

Docker	●●●●●
CI/CD	●●●●●
AWS	●●●●●
AWS services	●●●●●

EC2, RDS, S3, CloudFront, IAM, ACM

Kareem Mohammad Jobeily

Software Engineer | **Full-Stack Development**

LinkedIn | Symplicity Career Profile

SUMMARY

Full-stack software engineer and Computer Science student at Beirut Arab University (GPA 3.97/4.00, ranked 2nd in class). Founder and sole engineer of a production multi-tenant software-as-a-service (SaaS) platform that handles about $20,000 in monthly transaction volume. Works across React, Node.js, TypeScript, PostgreSQL, Amazon Web Services (AWS) and Docker, with a focus on applied security.

EDUCATION

Bachelor of Science in Computer Science — Expected 2027

Beirut Arab University, Beirut, Lebanon

GPA **3.97 / 4.00** | Class rank **2nd**

Relevant coursework: Data Structures and Algorithms, Database Systems, Object-Oriented Programming, Software Engineering.

EXPERIENCE

Technical Founder and Full-Stack Engineer — Jan 2026 – Present

Dion

Multi-tenant point-of-sale (POS) and customer-wallet platform for gaming lounges, cafes and retail; live in production at one venue, processing about 1,500 transactions and $20,000 in transaction volume per month.

- Built and run, as **sole engineer**, the production platform behind a live venue's daily operations, using React/Vite progressive web apps (PWAs), Node.js APIs, PostgreSQL and mobile-first cashier workflows.
- Built the **remote-operations console**, the core differentiator, giving owners abroad live visibility into sales, sessions, staff activity and cash position.
- Designed tenant isolation and access control with server-side tenant context, PostgreSQL Row-Level Security (RLS), feature entitlements and fail-closed authorization.
- Implemented the **prepaid wallet and merchant ledger**: immutable ledgers, idempotent payment commands, split payments, refunds, compensating transactions and auditable profit sharing.
- Shipped releases through Docker and AWS (EC2, RDS, S3, CloudFront, IAM, ACM) with continuous integration and delivery (CI/CD) and database migrations.

Software Engineering Intern — Jun 2026 – Aug 2026

National University of Sciences and Technology (NUST), Pakistan

NUST Internship Programme for International Students (NIPIS)

- Architected and implemented a **post-quantum-secured attendance platform** end to end, then demonstrated the working system to the supervising faculty member.
- Built a React/Vite frontend, Node.js/TypeScript Fastify API and PostgreSQL 16 backend with rotating one-time QR-code attendance, role-based access control (RBAC), time-based one-time password (TOTP) and WebAuthn/FIDO2 sign-in.
- Protected records against tampering and future quantum attacks using hybrid TLS 1.3 (X25519MLKEM768), ML-DSA-65 record signatures and SHA3-256 audit chaining.
- Validated the system with **539 automated tests** and **7,063 National Institute of Standards and Technology (NIST) test vectors**.

TECHNICAL SKILLS

Security

PostgreSQL RLS ●●●●●
Secure authorization ●●●●●
Post-quantum cryptography ●●●●●
WebAuthn/FIDO2 ●●●●●
TOTP ●●●●●
RBAC ●●●●●
TLS ●●●●●

Developer tools

Git ●●●●●
Linux ●●●●●
Claude Code ●●●●●

LANGUAGES

Arabic ●●●●●
Native

English ●●●●●
Fluent

CERTIFICATIONS

Google Cybersecurity Professional Certificate
2024

Semicolon ETH101 Cybersecurity Certificate
2025

ACTIVITIES

Team Leader, Robotics Competition Lebanon
2023 | 3-person team, Top 10

Lebanese Collegiate Programming Contest (LCPC)
2025 | Competitor

Capture the Flag (CTF) cybersecurity competitions
2025 | Competitor

PROJECTS

Client Web Development
Jun 2024 – Nov 2026

Three websites built and delivered for businesses

- **Birthdays Plus** (birthdayspluslb.com, Oct – Nov 2026): built and launched the live site for a kids' party decoration service in three weeks, including an online party planner that turns a client's backdrop, theme and extras into a ready request sent to the team on WhatsApp.
- **Decor Rental LB** (decorentallb.com, Jun – Nov 2026): built the site for a decor rental business, working directly with the owner from first requirements through to delivery.
- **LebaneseArc.org** (Jun – Aug 2024): built and delivered a React site using reusable components and a structured REST communication layer.

Intrusion Detection System
Sep 2025 – Dec 2025

Java | Independent project

- Designed and built a modular detector that flags abnormal request patterns, and tested it against simulated attacks.

LEADERSHIP

Co-founding Member and Membership Lead
Mar 2025 – Present

Association for Computing Machinery (ACM) Student Chapter, Beirut Arab University

- Co-founded the university's ACM Student Chapter, helping organize it from March 2025 until its official establishment in Spring 2026, and now lead its membership.
- Built the student contact database and ran outreach across the faculty to recruit members.
- Coordinated the membership side of the chapter's cybersecurity event end to end: invitations, registration and attendance tracking.