

Abed Al-Nabi Koubeissy

Full-Stack Developer | Beirut, Lebanon | Open to Remote, Hybrid, or On-site

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SUMMARY

Full-stack developer and Computer Science graduate who ships production software end-to-end — database schema, API, interface, deployment, and the maintenance that follows. Delivers paid client work across web and desktop: a live e-commerce platform handling Stripe and cash payments with an in-store POS, a Rust/Tauri desktop point-of-sale running daily in retail, and content-managed platforms for clients in Lebanon and Canada. Works primarily in TypeScript, React, Next.js, Node.js, and PostgreSQL/Supabase, with a habit of auditing what he builds — row-level security, access control, and hardening are part of delivery, not an afterthought. Also builds cross-platform mobile in Flutter. Looking for an engineering role where he can own user-facing features from schema to ship.

EDUCATION

Phoenicia University (PU) — Sarafand, Lebanon

October 2022 – June 2026

Bachelor of Science in Computer Science

Key Coursework: Data Structures and Algorithms, Software Engineering, Web Development, Artificial Intelligence, Network Security, Mobile Development.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, Dart / Flutter, PHP, Rust, SQL, C/C++

Frontend: React 19, Next.js, Vite, Tailwind CSS, Flutter, GSAP, React Three Fiber, HTML/CSS, Bootstrap

Backend & Data: Node.js, Express.js, Supabase (PostgreSQL, RLS, RPC), PostgreSQL, PL/pgSQL, MySQL, SQLite, Django, REST API design

Cloud & Tools: Vercel, Cloudflare R2, Stripe, Tauri v2, Git/GitHub, Agile, Resend

Practices: Relational schema design, role-based access control, authentication & session security, security auditing, CI deployment

Spoken Languages: Arabic (native), English (fluent), French

PROFESSIONAL EXPERIENCE

Independent Full-Stack Developer — Beirut, Lebanon (Remote)

January 2025 – Present

Contract & freelance client work

- Design, build, and deploy production web and desktop applications for retail and professional-services clients in Lebanon and Canada, owning each project from database schema through deployment and maintenance.
- Deliver on a TypeScript / React / Next.js + Supabase (PostgreSQL) stack, applying row-level security, role-based access, and RPC-backed transactional writes to keep client data correct and isolated.
- Build admin dashboards that let non-technical business owners manage catalogue, pricing, media, and orders independently, removing ongoing developer dependency.
- Run security reviews on delivered codebases and remediate findings — open redirects, permissive CORS, missing CSP headers, and client-side asset signing moved server-side.

Cedars Software Solutions — Nabatiyeh, Lebanon

July 2025 – September 2025

Full-Stack & Flutter Developer Intern

- Developed and maintained client-facing production web applications using React.js, Express.js, and Bootstrap.
- Built responsive Flutter UI components and integrated RESTful APIs for cross-platform mobile features.
- Designed backend modules and normalized database schemas in PHP and MySQL.
- Collaborated in an Agile team through code review, debugging, and deployment, using Git for version control.

SELECTED PROJECTS

ElectroShop — Production E-Commerce Platform (Client)

Live

React, Vite, TypeScript, Supabase, Cloudflare R2, Stripe, Resend, Vercel | sts-shop.online

- Built and launched a live storefront supporting Stripe and cash-on-delivery checkout, guest checkout with post-purchase order claiming, product variants, and scheduled sale pricing.
- Eliminated oversell risk by moving stock decrements into atomic PostgreSQL RPC functions executed inside the checkout transaction.
- Shipped an admin dashboard with an in-store POS mode, multi-step product and variant forms, banner management, and order tracking.
- Added Open Graph rendering via Vercel Edge middleware and transactional email; completed a full security audit (open redirect fix, CORS lockdown, server-side R2 presigning).

iDevolpIt POS — Desktop Point-of-Sale (Client)

In daily use

Tauri v2, Rust, React 19, PostgreSQL

- Built a desktop point-of-sale running daily at a Lebanese mini market, covering sales, inventory, and expense tracking.
- Implemented dual-currency (USD/LBP) handling with per-transaction rate snapshotting, keeping historical records accurate through exchange-rate volatility.
- Modelled combo/bundle products through a product_components join table and added in-house barcode generation.
- Delivered bilingual (English/Arabic) end-user documentation; migrated the product from an earlier WPF/.NET 8 and SQL Server implementation.

Seeds CPA — Marketing Platform & CMS (Client, Canada)

Deployed

Next.js, TypeScript, Supabase, GSAP, Lenis, Vercel | seedscpa.vercel.app

- Designed an 11-table Supabase schema with row-level security and role-based editor access driving every section of the site.
- Built a GSAP and Lenis motion system delivering a distinctive, performant scroll experience.
- Produced a written security audit with remediation plan covering IP-spoofing bypass, open redirect, missing CSP headers, and repository hygiene.

Ahmad Al Abdalla — Inter-Branch Transfer System (Client)

Deployed

Next.js, TypeScript, Supabase (PostgreSQL, RLS, RPC), PL/pgSQL, Vercel | ahmad-al-abdalla.vercel.app

- Built an internal operations platform for a multi-branch retailer, tracking stock movement between branches with sender-to-receiver confirmation and reporting on the financial impact of each transfer.
- Enforced the full transfer lifecycle inside PostgreSQL RPC functions that validate role, branch scope, quantities, and status transitions server-side rather than trusting the interface.
- Implemented two-tier role-based access (super admin, branch manager) with row-level security scoping each manager to their assigned branch, and admin-only account provisioning with no public signup path.
- Added a mismatch-resolution workflow flagging discrepancies between sent and received quantities for admin review, closing the gap where branch inventory silently drifts.

Driver Drowsiness Detection System — Final Year Project

Academic

Python, MediaPipe, TensorFlow (MobileNetV2), OpenCV, Arduino

- Built a real-time, multi-signal drowsiness detection system fusing MediaPipe FaceMesh landmarks, two MobileNetV2 CNNs, and nine temporal trackers into a weighted scoring engine with a hysteresis state machine.
- Achieved 0.72 AUC in zero-shot evaluation on the SUST-DDD benchmark dataset, with no fine-tuning on target-domain data.
- Paired the vision pipeline with an Arduino hardware unit delivering real-time driver alerts, and refactored the system into an 8-module Python package for maintainability.

License Management ERP System

Open Source

PHP (custom MVC), MySQL, PDO, Composer, Apache | github.com/Abedkob/License-Management-ERP-System

- Built a self-hosted ERP for issuing and tracking software license codes and client payments on a custom MVC architecture with PSR-4 autoloading and a single front-controller router.
- Implemented layered security: bcrypt password hashing, TOTP two-factor authentication, session guards, and a fine-grained per-route permission system.
- Added full audit logging, PDO prepared statements throughout to prevent SQL injection, server-side DataTables, bulk operations, and data export.

ADDITIONAL PROJECTS

- **PU Course Scheduler** — Java (Swing), Apache POI. Generates conflict-free university timetables from Excel input using a backtracking constraint-satisfaction engine with credit-aware priority scheduling. [GitHub](#)
- **Growth App** — Flutter, Dart, SQLite, Provider. Self-discipline companion covering commitments, goals, and reflections, with a local persistence layer and gamification (levels, streaks, achievements). [GitHub](#)

CERTIFICATIONS

- IELTS — B2 (September 2023).
- Python Essentials 1 — OpenEDG / Cisco Networking Academy (June 2023).
- Python Essentials 2 — OpenEDG / Cisco Networking Academy (July 2023).

EXTRACURRICULAR ACTIVITIES

Lebanese Red Cross — Nabatiyeh

August 2024 – Present

Volunteer

- Donation management and distribution projects; peer psychological support in schools and session facilitation in the Youth Program.