

Joey Abboud

SOFTWARE ENGINEER

Beirut, Lebanon • +961 76 488 910 • joeyabboud03@gmail.com
linkedin.com/in/joey-abboud

SUMMARY

Aspiring Software Engineer with hands-on full-stack development experience across modern web, cloud, and AI/ML stacks. Passionate about building scalable, production-ready solutions and continuously learning emerging technologies to create impactful applications.

WORK EXPERIENCE

Full-Stack Intern — Orthodox Archdiocese of Beirut

02/2026 – 05/2026

Beirut, Lebanon

- Built a full-stack job application system: React front end with Formik/Yup validation, a Laravel REST API using service-oriented architecture and dependency injection, and a CMS admin panel for end-user management.
- Implemented automated email notifications, database seeders, and dynamic form configuration, enabling non-technical users to manage content independently.
- Debugged and resolved issues across CMS platforms, identifying root causes and applying targeted fixes without disrupting live functionality.
- Managed the full workflow with Git for version control and Azure DevOps for task tracking, branch management, and repo collaboration.

Full-Stack Intern — FittDesign

07/2025 – 09/2025

Lebanon

- Built backend services with Node.js/TypeScript, integrating RESTful APIs and core business logic.
- Implemented PostgreSQL and SQLite for data storage, persistence, and caching mechanisms.
- Configured Cloudflare Workers & R2 for CDN functionality and optimized content delivery.
- Integrated the OpenAI API and Google API (Gmail) within an LLM-powered application.
- Designed, developed, and deployed a complete Chrome extension serving as a modern CRM assistant tool.
- Delivered production-ready solutions for real-world sales outreach activities.

Front-End Intern — Mobile Arts

07/2024 – 08/2024

Lebanon

- Developed responsive, dynamic websites using HTML, CSS, JavaScript, jQuery, and Bootstrap.
- Customized pre-made WordPress themes and extended functionality with plugins; built a custom theme from scratch using PHP.
- Implemented interactive UI elements, integrated third-party plugins, and optimized website performance.
- Ensured cross-browser compatibility and mobile responsiveness.

PERSONAL PROJECTS

FitnessAI — Full-Stack AI Fitness Platform

- Built a full-stack fitness app with real-time exercise form correction using MediaPipe pose detection in the browser and a Bidirectional LSTM + multi-head attention model trained on biomechanical joint-angle sequences, achieving 95%+ classification accuracy across 4 exercises.
- Fine-tuned EfficientNetV2-L on the Food-101 dataset (101 classes, ~101k images) via a two-phase transfer-learning pipeline with mixed-precision training, achieving 88–92% top-1 accuracy for in-app food logging.

- Integrated the Oura Ring via OAuth 2.0 to ingest sleep, HRV, and readiness data, and wired GPT-4o-mini as an AI coaching engine contextualizing advice from workout history, nutrition totals, and recovery scores.
- Designed a RESTful API with Laravel Sanctum auth, serving a React/TypeScript frontend and a Python Flask ML microservice for pose classification, posture evaluation, and food recognition.

TECHNICAL SKILLS

Languages: C, C++, C#, Python, JavaScript/TypeScript, PHP, MATLAB

Front-End: React, HTML5, CSS3, JavaScript (ES6+), Bootstrap 5, Chrome Extension Development

Back-End: Laravel 11, Node.js, Express.js, .NET, EJS, REST APIs, WebSocket, Webhooks, Authentication

Databases & ORM: MySQL, PostgreSQL, SQLite, Drizzle ORM

Cloud & Tools: Cloudflare Workers, Cloudflare R2, Git, Azure DevOps

EDUCATION

M.S. in Computer & Communications Engineering

09/2021 – 06/2026

Université La Sagesse — Furn El Chebbak, Lebanon

Lebanese Baccalaureate, General Sciences

2021

Collège Saint Maxime — Mansourieh, Lebanon

CERTIFICATES

- The Complete Full-Stack Web Development Bootcamp — Udemy (06/2025)
- Signal Processing Onramp — MathWorks (11/2024)
- DELF B2 — Institut Français du Liban (11/2024)

LANGUAGES

Arabic (Native) • French (Fluent) • English (Fluent) • Spanish (Basic)