

Hasan AL MAWLA

Software and Networks Engineer

hasanalmawla3@gmail.com | (+961) 78988836 | [linkedin.com/in/hasan-al-mawla0](https://www.linkedin.com/in/hasan-al-mawla0)

Beirut, Lebanon

EDUCATION

B.E in Computer and Communications Engineering Option: Software and Networks. **Sep 2020 - April 2026**

Antonine University, Baabda, Lebanon

Official Lebanese Baccalaureate, General Sciences **Sep 2018 – June 2019**

Imam Hasan High School , Beirut, Lebanon

EXPERIENCE

Project Manager & Full-Stack Developer **Oct 2025 – Present**

Cog-Developers, Beirut, Lebanon

Project Manager & Full-Stack Developer **April 2025 – May 2025**

Cog-Developers, Beirut, Lebanon

- Directed and developed a large-scale electoral campaign system with Laravel (backend), Flutter (mobile apps), and Node.js sockets.
- Implemented real-time communication using RabbitMQ, Redis, and Laravel Reverb.
- Handled DevOps and deployment, including NGINX configuration, Dockerization, and full server management.
- Oversaw the entire project lifecycle — from architecture design and team coordination to production deployment.

Business Intelligence and Software Engineer **Sept 2024 – March 2025**

BMW Group, Munich, Germany

- Improved application UI/UX by enhancing user interactions, fixing bugs, and optimizing usability.
- Developed new features, refactored code for improved efficiency and maintainability. Implemented database migrations and transitioned to a code-first approach.
- Designed and built a dynamic job execution application as an alternative to Data Factory, enhancing data processing efficiency.
- Communicated with clients to define feature requirements and gather feedback, ensuring alignment with business needs.

Software Engineer Internship **Jan 2024 – Mar 2024**

Inmind.AI Academy , Beirut, Lebanon

- Created a multi-tenant Enrollment Course System in .NET with DDD, MediatR and CQRS for scalability
- Implemented microservices with RabbitMQ, Elasticsearch for efficiency and fault tolerance
- Implemented Keycloak for user auth
- Developed responsive website using Angular
- Integrated REST APIs to enhance website functionality and data accessibility

- Integrated authentication mechanisms like JWT (JSON Web Tokens) for user validation and session management

Flutter Developer Internship

Aug 2023 – Sept 2023

District General Trading Company , Beirut, Lebanon

- Implementing gorouter Navigation package in the app
- Integrating APIs for new Address System
- Auto-Generated Coupon Popup and functionality

FREELANCE PROJECTS

Freelance Software Engineer – Multi-Tenant Microservices System

June 2025 – Sept 2025

- Developed and deployed .NET microservices with PostgreSQL/PostGIS, containerized via Docker.
- Implemented secure authentication/authorization with Keycloak and role-based access control.
- Built real-time communication features using SignalR and Kafka

E-commerce Platform

June 2025 – Aug 2025

Built and launched an end-to-end e-commerce system with Laravel (backend), Next.js (frontend), and Flutter (mobile). Developed advanced features: dynamic discounts, shipping rules, checkout flows, and admin dashboards (Orchid). Deployed and maintained production servers with NGINX, Docker, SSL, and VPS hosting.

Beechic

Aug 2024 – Oct 2024

A comprehensive management system for a cosmetics store. The admin panel, built with Laravel and Orchid, handles product catalogs, inventory, orders, and sales management. The customer-facing website, developed with Angular, provides a seamless shopping experience with a modern and responsive design.

PetPal Match

Jun 2024 – Sept 2024

A mobile application that facilitates pet listings and communication among users. It allows pet owners to post and browse pet listings while enabling direct messaging for inquiries and connections. Built with Flutter and Firebase for real-time updates and seamless user interaction. *(Under review for publishing)*

CERTIFICATES

CCNA R&S: Introduction to Networks - Cisco Academy Certified

June 2020

CCNA R&S: Routing and Switching Essentials

Feb 2021

CCNA R&S: Scaling and Connecting Networks

June 2021

SKILLS

- **Programming Languages:** C++, Python, Java, PHP, C#, Dart, JavaScript
- **Frameworks & Libraries:** Laravel, Flutter, Angular, React, Node.js, .NET Core
- **Distributed Systems & Messaging:** Kafka, RabbitMQ, Redis
- **Databases:** MySQL, Postgresql ,Oracle/PLSQL, MongoDB, ElasticSearch
- **DevOps & Infrastructure:** Docker, Linux, NGINX, Grafana, Loki, Git

- **Web Technologies:** HTML, CSS

LANGUAGES

- English: Advanced (C2)
- Arabic: Native