ALI MAROUNI

SOFTWARE ENGINEER

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PROFILE

With 3 years of hands-on experience in software development and a strong foundation in building scalable software, I am currently pursuing a degree in Computer Science at Antonine University. Throughout both my academic and professional journey, I have developed over 25 full-stack projects for small to medium-sized businesses, demonstrating my ability to deliver high-performance solutions with clean architecture, intuitive design, and a strong focus on user experience.

PROFESSIONAL EXPERIENCE

ALL in Delivery App   **Feb 2025 - May 2025**
Lead developer
- Led the development of a full-stack delivery management platform using Laravel and Blade.
- Designed and implemented core features including Google Maps API integration to enable real-time order tracking, driver-client chat, and calendar-based scheduling.
- Collaborated with a cross-functional team of 4 to integrate Firebase push notifications and Microsoft Outlook Calendar APIs.
- Ensured clean code architecture, responsive UI, and high-performance backend logic.

Petite Monde Daycare Website   **March 2025 - Present**
Full-Stack Developer
- Developed a fully responsive, multi-step enrollment system using React (TypeScript) and a Laravel API backend.
- Created the Appointment Booking page with calendar-based scheduling, real-time form display, and smooth UI/UX interactions.
- Developed dynamic Events and Trip Registration pages, integrating a calendar that allows users to view and register for events, with auto-filled forms on click.
- Worked with a 4-person team to deliver frontend features and backend APIs, ensuring clean validation, secure data handling, and responsive design throughout the platform.

Gesture Recognition System (EMG-based)   **April 2025 – May 2025**
ML Developer
- Built a machine learning pipeline for real-time hand gesture recognition using EMG signals from the MYO Thalmic armband.
- Applied signal preprocessing techniques (RMS, Zero-Crossing Rate, Waveform Length) to extract robust features from 8-channel EMG data.
- Developed and evaluated a Random Forest model using Leave-One-Subject-Out cross-validation, achieving high accuracy across multiple subjects.

EDUCATION AND SKILLS

Education
Antonine University — Bachelor of Science in Computer Science
Languages, Frameworks and Tools
Laravel - .NET - React - React Native - TypeScript - MySQL - MongoDB - PL/SQL - Git
C++ - Java - JavaFx - Python - JavaScript - Flutter
Figma - CSS - Adobe Illustrator - Adobe Photoshop
AI Tools
OpenAI API - Copilot - Firebase Studio - Gemini