

Kamal MALEK

SOFTWARE ENGINEERING & NETWORKS STUDENT

kamal.malek@hotmail.com | +961 3 867 665 | Zahle, Beqaa, Lebanon | [LinkedIn](#) | [GitHub](#) | [WEB](#)

Aspiring software engineer with a passion for back-end development and database management. Skilled in Laravel, Node.js, and database optimization, seeking to contribute innovative solutions in a fast-paced tech environment.

Education:

Bachelor of Engineering (student)

2021-present

Computer & Communication Engineering

Concentration: Software Engineering & Networks

Université Antonine, Lebanon

Professional Experience:

Intern, Back-End Development at White Mountain Technologies, Lebanon

July- August 2024

- Created APIs and endpoints using Laravel, ensuring efficient backend communication.
- Tested APIs with Postman for functionality and reliability.
- Migrated SQL databases without writing raw SQL, streamlining development processes.
- Implemented the Model-View-Controller (MVC) design pattern to organize code structure.
- Utilized advanced Laravel concepts, including:
 - Data validation and repository interfaces.
 - CRUD operations and soft deletes.
 - Middleware for API response adjustments (error and success handling).
- Achieved improved API performance and demonstrated excellent teamwork and punctuality.

Projects:

University System

JavaFX Developer

May 2024

Developed a comprehensive GUI for a University Management System using JavaFX, enhancing administrative and student interactions within the digital platform. Implemented a dual-interface system: an administrative module for managing student and teacher profiles, and a student module for course enrollment and grade checks. Engineered robust database solutions using MySQL, incorporating features such as a password recovery system for enhanced security and user experience.

E-Shop Back-End

Web Developer, Node.js

December 2023

Led the development of a server-side application for an e-commerce platform using Node.js and Express.js, focusing on optimizing user and item management. Designed and managed SQL databases, ensuring efficient data handling and scalability. Constructed dynamic web pages using EJS, HTML, CSS, and JavaScript, including an administrative dashboard for CRUD operations on products and user monitoring.

Hotel Management System

C++ Developer

December 2022

Developed a CLI-based application in C++ to manage hotel reservations, focusing on optimizing the reservation and room allocation processes. Employed CSV files for data storage, utilizing custom C++ data structures for effective data manipulation and retrieval.

Skills:

- Web: HTML, CSS, JS, Node.JS, Express.JS, PHP, Laravel
- Programming: C/C++, Java, Python 3, GIT
- Databases: PL/SQL, MySQL, MongoDB, PostgreSQL
- System: Docker, UNIX, Windows Server
- Soft Skills: Problem-solving, teamwork, adaptability, communication

Certificates:

- [Codecademy](#):
 - Learn Python 3
- Cisco Networking Academy:
 - Introduction to UNIX
 - Introduction to Networks
 - Routing & Switching Essentials
 - Enterprise Networking Security & Automation

Languages:

- English (B2)
- French (Delf B2)
- Arabic (Native)