

# Kamal MALEK

## SOFTWARE ENGINEERING & NETWORKS STUDENT

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As a passionate student in software engineering, I am driven by the desire to apply my theoretical knowledge to real-world projects, collaborate with industry professionals, and expand my skill set while contributing meaningfully to innovative projects.

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### **Education:**

**Bachelor of Engineering (student)**

**2021-present**

**Computer & Communication Engineering**

**Concentration: Software Engineering & Networks**

*Université Antonine, Lebanon*

### **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.*

Storage Management System

*Java Developer*

**March 2023**

*Created a command-line interface (CLI) application in Java for inventory management, enabling efficient tracking and management of store items. Utilized MongoDB and JSON for flexible and scalable data storage, supporting complex data management needs. Implemented advanced CRUD operations and search functionalities to streamline administrative tasks.*

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
- Programming: C/C++, Java, Python 3
- Databases: PL/SQL, MySQL, MongoDB
- System: Docker, UNIX, Windows Server

**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)
- Spanish (Beginner)