

EXECUTIVE SUMMARY

Computer Science graduate with strong interest in system design and problem solving. Eager to apply academic knowledge through practical projects and real-world development. Values clarity, simplicity, and continuous learning.

EDUCATION

Collège Ste Therese — **Lebanese Baccalaureate, Life Sciences** | 7/2023

Lebanese University — **B.Sc. in Computer Science** | 9/2023 – 7/2026

WORK EXPERIENCE

Cybersecurity Intern — TEKNOLOGIIA | 6/2026 – Present

- Monitored and tuned Intrusion Detection and Prevention Systems (IDS/IPS) to identify, block, and mitigate network threats.
- Administered the Microsoft 365 tenant, managing user identities, licensing, and configuring security policies.

SKILLS AND INTEREST

- | | | |
|--------------------|----------------------|-------------------------|
| • MVC Architecture | • Query Optimization | • Debugging & Testing |
| • REST APIs | • JWT Authentication | • Git (Version Control) |
| • SQL | • Concurrency | • Data Structures |
| • Microsoft 365 | • Microsoft Azure | • Algorithm |

PROJECTS

[Book Management App](#)

- Java desktop application using the Model-View-Controller-Service (MVCS) pattern, enforcing strict separation of concerns between UI components, business logic, and data access layers.
- Optimized database interactions by managing concurrent threads with **SwingWorker**, ensuring thread-safe updates to the UI while handling heavy I/O operations.
- Integrated a local **SQLite** database via **JDBC**, utilizing **PreparedStatement** interfaces to secure data transactions and mitigate SQL injection vulnerabilities.

[Movie Streaming App](#)

- A full-stack web application simulating a streaming platform using **React** (Vite), **Node.js/Express**, and **PostgreSQL**, delivering dynamic content feeds, user watchlists, and role-based access control.
- Integrated the **TMDB API** to enrich the catalog with real-time metadata and posters, implementing caching strategies to reduce external API calls and improve load performance.
- Designed a secure authentication system using **JWT** and protected routes, ensuring safe user sessions and role-based access to staff dashboards and content management features.
- Leveraged advanced PostgreSQL features, including **Views**, **Stored Functions**, and **Procedures** to encapsulate complex business logic directly in the database layer for consistency and performance.

[Fitness Tracking App UML Design](#)

- Designed comprehensive UML suites (Use Case, Class, Sequence, Activity) translating business requirements into technical specifications.
- Implemented a 5-tier RBAC system, defining strict permission boundaries and data visibility rules.
- Modeled critical workflows (workout logging, wearable sync) via Sequence/Activity diagrams to identify edge cases and optimize interactions.

LANGUAGES: Arabic (Native), English (Fluent), French (Intermediate).