

Nader Zalzaly

Software Developer

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PROFESSIONAL SUMMARY

Software Developer passionate about building reliable and scalable software solutions. Enjoys solving complex problems, improving existing systems, and continuously learning new technologies. Particularly interested in exploring Artificial Intelligence and applying intelligent capabilities to modern applications.

WORK EXPERIENCE

Software Developer

Lyst Technologies

September 2025 – Present

Beirut

- Develop and maintain backend services and **REST APIs** using **Java** and **Spring Boot** for FinTech platforms supporting financial transactions and system integrations.
- Implement backend business logic and validation rules for financial workflows and integrations, ensuring secure handling of sensitive financial data through validation, error handling, and service-layer controls.
- Integrate with **MuleSoft** to connect services and automate data exchange between applications.
- Design and optimize database queries and data operations to support backend services and ensure efficient data access.
- Analyze and refactor legacy backend code to enhance existing modules and implement improvements aligned with the system architecture.

Full Stack Web Developer Intern

Mentis Nation

August 2024 – October 2024

Beirut

- Built scalable web solutions, handling backend logic using **Spring Boot** and frontend pages with **Thymeleaf**.
- Designed and maintained relational database schemas to support structured and efficient data management.
- Integrated external APIs and software libraries to expand system capabilities.
- Tested and validated **REST APIs** using **Postman** to ensure reliable performance and accurate data exchange.

PROJECTS

MUCPMS

- Built a centralized platform to manage the entire capstone journey by designing the database schema in **MySQL**, developing REST APIs with **Spring Boot**, and creating interactive frontend pages using **Thymeleaf**, streamlining processes and replacing scattered tools.
- Increased efficiency by integrating task management, grading, meeting scheduling, project tracking, and note-taking into one system, significantly reducing time and effort for both students and instructors.
- Added advanced features such as GitHub-based idea suggestions and chatbot-powered idea generation to support project success.
- Automated project report generation, enabling one-click creation of pre-filled documents, **reducing reporting time by an estimated 50–60%** per project across potentially hundreds of projects.
- **Contacted by the university for potential deployment; currently collaborating with faculty to prepare the system for official rollout.**

MovAie

- Led a team of 5 students to design and develop a content-based movie recommendation model from scratch, including dataset acquisition, cleaning, and preprocessing using **Python**, **Pandas**, and **NumPy**.
- Engineered features and implemented similarity-based algorithms to generate personalized movie suggestions.
- Built a **Flask API** to serve recommendations and integrated it with a **MERN stack** frontend and backend.
- Integrated **external movie APIs** to fetch posters, and ratings alongside AI-generated recommendations.
- Designed a responsive, user-friendly interface enabling real-time search and recommendations, combining **machine learning** with **modern full-stack web development** practices.

NadeResto

- Developed a dynamic and responsive restaurant website utilizing **ASP.NET MVC**, featuring seamless menu browsing, interactive feedback mechanisms, and secure user authentication.
- Developed efficient **MySQL** database processes supporting customer data management.
- Implemented role-based access control to tailor user operations and ensure robust authorization protocols.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, C#, C++, Python, SQL
Frameworks & Libraries: Spring Boot, ASP.NET, React, Thymeleaf, Express.js, Node.js, Flask, Bootstrap, Tailwind CSS
Databases, Tools & Methodologies: MySQL, PostgreSQL, MSSQL, MongoDB, Git, SVN, Postman, Agile Methodologies

EDUCATION

• B.S in Computer Science, AL-Maaref University	September 2022 - June 2025
• Ai & Machine Learning Bootcamp, SprintOS	July 2025 - August 2025