Leonard Rabih Marida

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PROFESSIONAL SUMMARY

Backend Software Engineer with 2+ years of experience architecting scalable SaaS solutions and RESTful APIs. Specializing in **Java Spring Boot** and strong-typed backend architectures, I focus on writing clean, modular, and high-performance code. I possess a solid understanding of Object-Oriented Design, Database Optimization, and Agile methodologies. Eager to leverage my background in complex booking systems to contribute to RAY Labs' innovative PropTech platform.

EDUCATION

Lebanese American University (LAU) | Beirut, Lebanon | *Bachelor of Science in Computer Science*
Sep 2023 – May 2026
GPA: 3.82/4.00; **Awards**: a full **USAID merit-based scholarship**, granted to **top candidates** among 1,000+ applicants.

Professional Experience

Backend & AI Engineer | *Slova Automations* | *Next.js, React, Node.js, Vercel* | <u>*Live Link*</u>**,** <u>*LiveLink2*</u>
Sep 2023 – Sep 2025
- Designed high-performance **RESTful APIs** handling asynchronous logic and implemented strict data validation for enterprise reliability.
- Collaborated with cross-functional teams to define clear API contracts (JSON) and ensure efficient data transfer between services.

Full Stack Developer Intern | *Integrated Digital Systems (IDS)* | *C#, ASP.NET Core, Microsoft SQL Server*
Aug 2024 – Sept 2024
- Developed scalable backend services for an event management system, adhering to **Clean Architecture** principles and **Dependency Injection**.
- Optimized **SQL Server** stored procedures and queries, reducing database response time by 30% for data-heavy operations.

Full Stack Mobile Developer | *Freelance Contract* | *React Native, JavaScript, Firebase* | <u>*LiveLink*</u>
Aug 2022 – Aug 2025
- Designed a **NoSQL** schema to handle real-time synchronization and offline capabilities for a production equipment management app.
- Implemented serverless backend functions and integrated secure authentication flows for seamless user access.

Full Stack Developer Intern | *Greatech* | *Nuxt.js, Vue.js, RestfulAPIs*
June 2025 – July 2025

PROJECTS

Scalable Booking Platform (Travel Agency) | *Java Spring Boot, PostgreSQL, Spring Security*
- Architected a secure backend using **Java Spring Boot**, implementing **Spring Security** and **JWT** for robust role-based authentication (Admin vs. User).
- Optimized complex booking workflows using **Hibernate/JPA** and **PostgreSQL**, designing relationship mappings that ensured data integrity for concurrent reservations.

AI Road Tracking System | *Python, Computer Vision, API Design* | <u>*LiveLink*</u> , <u>*LiveLink2*</u>
- Engineered a real-time tracking pipeline capable of processing high-frequency data streams, ensuring low-latency responses.
- Designed the backend logic to handle asynchronous data processing, demonstrating strong algorithmic efficiency.

Secure Password Manager | *Java, AES-256, MySQL*
- Developed a secure application using **Java**, implementing **AES-256 encryption** algorithms to guarantee zero-knowledge privacy for user credentials.
- Engineered a PHP/MySQL backend integration to securely synchronize encrypted vaults across devices, ensuring stability for **500+ users**.

Car Dealership Management Platform | *PHP, MySQL, Asynchronous Workflows*
- Designed a normalized **MySQL** database schema to manage inventory and reservation schedules, preventing double-booking conflicts.
- Implemented asynchronous backend workflows to process reservations efficiently, boosting booking system throughput by 80%.

SKILLS

- **Core Backend:** Java, Spring Boot, Spring Security, Hibernate/JPA, RESTful APIs, C# .NET Core.
- **Database & Storage:** PostgreSQL, MySQL, Microsoft SQL Server, Redis (Caching), Database Design.
- **Tools & DevOps:** Git, Docker, Postman, Swagger/OpenAPI, Maven/Gradle, CI/CD.
- **Concepts:** Microservices Architecture, Clean Code Principles, Asynchronous Programming, Agile/Scrum.

CERTIFICATES

- **Deep Learning Specialization** | DeepLearning.AI
- **Prompt Engineering for Developers** | DeepLearning.AI
- **LangChain for LLM Application Development** | DeepLearning.AI

LANGUAGES

- **English (**Full Professional Proficiency) | **Arabic (**Native)