

Karim Merhi

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EXPERIENCE

Junior Software Engineer

May 2025 — Present

Ignite Group (Contract)

Dubai(On-site), UAE

- Refactored legacy system into a modern C/.NET architecture, integrating Restful APIs, reducing codebase complexity from webforms to well swagger documented APIs.
- Implemented a Node Lock License (NLL) mechanism, resulting in 100% compliance with licensing policies and eliminating unauthorized usage.
- Automated the Migration of billing records from Excel sheets to a structured SQL database, increasing client data retrieval performance by 3 times.

Backend Developer Intern

July 2024 – Sep. 2024

Monty Mobiles

Beirut, LB

- Refactored legacy Apis into modern Java Spring Boot code, applying Core Java naming conventions, and OOP best practices, and testing on test and staging servers with JUnit, reducing compile time by 5 seconds.
- Implemented two-factor authentication leveraging **Spring Security**, OTP and JWT for robust authentication and authorization, decreasing the penetration testing report findings by 15%.
- Contributed to the development of the VAS-RBT service utilizing Log4j2 for server logging to support both devops and engineering teams to maintain 98.5% runtime excellence.

Backend Developer Intern

May 2024 – July 2024

Meber Consultants

Beirut, LB

- Collaborated with frontend and QA teams, to developed APIs aligned with the UI flow, providing Swagger documentation, while managing API transactions to ensure data integrity across services.
- Integrated RabbitMQ to optimize the back-end of an internal kitchen access tool, reducing server load and cutting costs by \$25 per floor.

Teaching Assistant

Aug. 2023 – April 2024

Rafik Hariri University

Meshref, LB

- Assisted three professors with grading coursework for over 200 students, resulting in a 20% faster notification of results.
- Conducted weekly tutorial sessions for over 50 students, leading to a 15% average improvement in their scores, by introducing technologies outside the course syllabus to enhance their projects.

Business Analyst Intern

May 2023 – July 2023

Dubai Development Authority

Dubai, UAE

- Improved DM-Cloud server migration efficiency through automation scripting development using Python, exceeding the estimated time frame by 10 working weeks.
- Ensured compliance with Dubai Municipality Standards by developing a dynamic site framework leveraging Python and SQL, to maintain a 70% acceptance rate.

TECHNICAL SKILLS

Languages: C#, Java, Python, SQL (PostgreSQL, MySQL), JavaScript, HTML/CSS

Developer Tools: Git, Visual Studio, RabbitMQ, Swagger, Postman, VS Code, IntelliJ, Figma

Frameworks: Spring Boot, .NET

EDUCATION

Rafik Hariri University

Meshref, LB

Bachelor of Engineering in Computer and Communications Engineering

Aug. 2021 – May 2025

GPA: 3.8 / 4.0 Distinction

Certified Associate in Project Management (CAPM)® - PMI

Present

Candidate