

Marwan AbdalMagied

Back-End Developer

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Summery

Junior backend developer skilled in Java, SQL, Data Structure, algorithms and database design, with experience in building scalable and efficient systems. Passionate about developing robust backend solutions by applying OOP and SOLID principles, optimizing DB performance, reducing storage size. Seeking an opportunity to contribute to a development team while continuing to grow as a software engineer.

Experience & Projects

[Transportation web API](#) | Java, Spring Boot, JPA, Security, MySQL

Mar 2025 - Present

- Developed a modular Spring Boot application to manage vehicle fleet, trip scheduling, seat bookings, and employee assignments, enforcing a layered architecture for maintainability.
- Implemented JWT-based authentication and role-based access control using Spring Security with RSA public/private key encryption to secure REST APIs and protect sensitive endpoints.
- Designed and developed RESTful CRUD APIs for Vehicles, Departments, Trips, and Seats, auto-documented via Spring Doc OpenAPI (Swagger) to streamline client integrations.
- Integrated MySQL via Spring Data JPA for persistence; optimized performance by caching seat-search and trip-search results with Spring's @Cacheable, reducing repetitive queries by approximately 40%.

[Gaming Coffee System App](#) | Java, JavaFX, SQLite

Dec 2024 - Feb 2025

- Developed a JavaFX application to manage operations for a gaming coffee place, including session management, customer billing and admin, spot, and controller management.
- Achieved faster and secure login system, leveraging best practices in authentication.
- Implemented efficient data storage solutions, reducing database load using SQLite.

Courses and achievements

- **HackerRank:** [Basic Java](#) certificate and [5-star proficiency](#) badge, [basic](#) and [advanced](#) SQL certificates.
- **EdX Courses:** Completed Cs50, systematic program design and databases: modeling and theory.

Technical skills

- **Programming Languages:** Java, Python, C, SQL.
- **Developer Tools:** IntelliJ IDEA, PyCharm, VS Code, MySQL Workbench, DBeaver, Docker.
- **Frameworks / Technologies:** Spring boot, Spring Data JPA, Spring Security, JUnit, GitHub, Linux.

Education

Al-Azhar University | Bachelor of Commerce | Accounting

Cairo, Egypt | Oct 2020 - Jun 2024

Soft Skills

- Analytical thinking and problem-solving.
- Self-motivated and eager to learn modern technologies.
- Effective communication and teamwork.

Languages

- Arabic (Native).
- English (Fluent).