

# Yousef Refat Awad

Backend Developer  
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## Summary

A passionate software developer with strong skills in Object-Oriented Programming (OOP), database management using MS SQL Server, and proficiency in programming languages such as C++, C#, and JavaScript, dedicated to building efficient and scalable software solutions.

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## Projects

- ❖ Developed DVLD (Driving & Vehicle Licensing Department) System using C#, SQL Server, and ADO.NET, implementing 3-tier architecture to improve modularity and maintainability.
    - Optimized 50+ complex SQL queries, improving system response times by 50% and supporting 10,000+ monthly users
    - Reduced report generation time from 12 to 6 seconds per transaction through query optimization and indexing strategies
    - Implemented data validation rules that decreased application errors by 35%.
    - Automated license renewal process handling 5,000+ monthly transactions, reducing manual work by 30 hours/week
    - Key Technologies: C#, .NET, SQL Server, ADO.NET.
  - ❖ Simple Bank System in C++ (Console App) Using OOP & Separation of Concerns, with a clean and efficient Bank Management System as a console-based application in C++, following Object-Oriented Programming (OOP) principles and Separation of Concerns (SoC) for better maintainability.
  - ❖ Developed a Simple Math Game using C++ as a console-based application, adhering to Separation of Concerns (SoC) principles for clean and maintainable code. The game generates random arithmetic questions (addition, subtraction, multiplication, division) and tracks the player's score based on correct answers.
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## Experience

- ❖ Backend Developer Freelancer  
December 2023 - Present
    - Built Simple Bank System by C++.
    - Built a Fully Developed DVLD System.
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# Skills

## Technical Skills

- .Net core
- C++
- Backend development
- Web development
- Windows forms

## Soft Skills

- Time Management.
- Strategic Planning.
- Problem Solving.
- Teamwork.

## Languages

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

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## Certificates & Courses

- C# Programming Level 2  
Provider: Programming Advices  
Year: 2024
- Database – SQL (Projects & Practice)  
Provider: Programming Advices  
Year: 2024
- Algorithms & Problem-Solving Level 4  
Provider: Programming Advices  
Year: 2024

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## Education

Bachelor of Business information Systems (BIS), Tanta University  
Grade: Excellent  
2023 - 2027

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## Personal Information

- Date of Birth: 09/09/2004.
- Military Status: Postponed.