

MOHAMMAD AYAAD

.NET Back-end Developer

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EXPERIENCE

- **Over 8 years** of experience in developing personal projects, with a broad range of applications. My projects span from low-level OS assembly code, through low-level graphics programming and ray tracing, to back-end programming and API creation.
- **6+ years** of experience in using .NET for personal projects. This including but not limited to creating APIs, web applications, Games, Desktop Apps, and other software solutions using various .NET technologies such as C#, .NET, .NET Core, .NET Framework, ASP.NET Core, Blazor, and Razor.
- **4+ years** of tutoring courses in various technologies. This role showcases my ability to explain complex concepts in an understandable manner and my passion for knowledge sharing.
- **3+ years** of experience in low-level graphics programming through personal projects, demonstrating my ability to work close to the hardware and optimize for performance.
- **3+ years** of experience in back-end development through personal projects, showcasing my skills in server-side logic, database interactions, and server performance optimization.
- **2+ years** of successful freelancing, providing tailored software solutions to various clients across different industries. This experience has honed my problem-solving skills and ability to deliver high-quality work under tight deadlines.
- Authored more than **10GiB** of source code, reflecting my hands-on experience and dedication to coding. This vast amount of code demonstrates my ability to handle large-scale projects and maintain high coding standards.
- Proficiency in over **10 programming languages**, including but not limited to C#, Python, SQL and Javascript. This wide range of languages indicates my adaptability and eagerness to learn and apply new technologies.
- Experience with more than **10 different frameworks and libraries**, demonstrating my ability to choose the right tool for the job and quickly master new technologies. These include popular frameworks and libraries for web development and API creation.

CERTIFICATES

- Array Web Development Course
- Sololearn SQL Course
- Sololearn SQL Intermediate Course

STRENGTHS

Hard-Working

Eye for detail

Agile

Teamwork

Adaptability

Patience

Problem Solving

Critical Thinking

Accountability

AWARDS & ACHIEVEMENTS

Dev Ranking : Blue Belt At grepper

LANGUAGES

Arabic

English

EDUCATION

Thebes (computer science)
Thebes Academy
📅 Sept 2023
GPA: 3.03
Joined ECPC Community

PROJECTS

ShopAPI: An Advanced E-Commerce Platform

Personal Project

📅 June 2022 - April 2024

- Engineered an advanced API for an e-commerce platform, significantly enhancing functionality and optimizing user experience, leading to increased user engagement.
- Devised a dynamic product system capable of accommodating a wide range of e-commerce scenarios, demonstrating adaptability and forward-thinking in meeting diverse customer preferences.
- Innovated a package feature that enables product bundling, a strategic move that increased the value of customer purchases and boosted sales.
- Implemented a robust user account system, ensuring secure and reliable account management, enhancing user trust and satisfaction, and reducing security incidents.
- Integrated Swagger UI, providing comprehensive API documentation that improved developer usability and accelerated API integration, reducing development time.
- Utilized Docker for application containerization, ensuring consistent deployment across various environments and simplifying the development process, leading to increased productivity.
- Gained invaluable experience in API development, adeptly balancing technical requirements with business needs to deliver high-quality solutions, demonstrating a strong understanding of both technology and business.

JsonTokens: A Novel C# Library for API Token Management

Personal Project

📅 Jan 2024 - March 2024

- Developed JsonTokens, a unique C# library that introduces a novel type of token for API use, showcasing my ability to innovate and create tailored solutions that address specific needs in the realm of web development.
- The library is built upon JSON, a widely-used data interchange format, demonstrating my deep understanding of industry standards and protocols, and my ability to apply them effectively in software development.
- One of the standout features of JsonTokens is its ability to store C# objects. This not only exhibits my proficiency in object-oriented programming but also underscores my ability to design flexible and reusable software components that enhance code efficiency and maintainability.
- JsonTokens supports pre-processing steps that can be added between the point when the token is used on the API and when it is sent to the user. This feature highlights my foresight in anticipating potential use cases and my ability to design software with extensibility in mind, ensuring the library can adapt to future requirements with minimal modifications.
- This project served as a platform for me to further hone my skills in C# and .NET, and deepen my understanding of API development and token management, preparing me for more complex and challenging projects in the future.

SKILLS

Programming Languages

C# .NET Python JavaScript SQL
HTML CSS

Frameworks

.NET Core .NET Framework
ASP.NET Core Blazor Razor
Node.JS

Web Technologies

JQuery Bootstrap WASM

Databases

MySQL SQLite

APIs and Web Services

RESTful CRUD

Version Control

Git GitHub

Containerization

Docker

MORE PROJECTS

GeTop API: A Robust Social Media Content Management Solution

Personal Project

📅 October 2022 - April 2024

- Developed GeTop API, a robust and versatile API designed to handle a "social media-like" website, capable of managing a diverse range of content such as posts, videos, and images. This project showcases my ability to create comprehensive and multifunctional solutions that cater to complex business needs.
- The API supports storing images, demonstrating my proficiency in handling and managing multimedia content in web development, and my understanding of the technical requirements associated with image processing and storage.
- In addition to images, the API also supports storing videos, highlighting my ability to work with different media formats and my understanding of the technical requirements and challenges associated with video content management.
- GeTop API features an Accounts System with a Multi-Method Authentication System. This system allows for authenticating with multiple methods and serves as a platform for implementing Multi-Factor Authentication (MFA), showcasing my knowledge of advanced security measures and my ability to implement them in my projects.
- This project served as a platform for me to further hone my skills in C# and .NET, deepen my understanding of API development and content management, and gain hands-on experience in implementing advanced security measures, preparing me for more complex and challenging projects in the future.

Contacts Manager: A Comprehensive Contact Management Solution

University Project

📅 2024

- Collaborated with a team to develop Contacts Manager, a comprehensive application designed to manage contacts as part of a university project. This experience enhanced my teamwork and cooperation skills.
- The application supports storing a wide range of contact details, including first name, last name, job title, multiple phone numbers, and multiple email addresses, demonstrating my proficiency in handling and managing diverse data types in application development.
- Implemented a search algorithm that uses Levenshtein's Distance Algorithm, taking into account the length of the string. This showcases my ability to implement complex algorithms and my understanding of string manipulation techniques.
- Utilized SQLite for database management, reflecting my ability to work with different database systems and my understanding of SQL.
- The project was managed using Git and GitHub, demonstrating my familiarity with version control systems and collaborative coding platforms.
- This project served as a platform for me to further hone my skills in Java, deepen my understanding of application development and data management, and gain hands-on experience in implementing user-friendly interfaces and complex algorithms, preparing me for more complex and challenging projects in the future.

SOFTWARE

Database Management

phpMyAdmin SQLiteStudio

Integrated Development Environments

Visual Studio Visual Studio Code

Local Server Environment

XAMPP

API Testing and Documentation

Postman Swagger

Command-line Data Transfer

cURL