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Professional summary

A passionate computer science student at Zagazig University with a strong foundation in programming and software engineering. Currently, I am focusing on mastering **.NET development** to build robust and scalable applications. My technical expertise spans **multiple programming languages, databases, and cloud platforms**. I thrive on **problem-solving** and enjoy applying concepts like **OOP, Data structures, SOLID principles, and Agile methodologies** to real-world projects. Beyond coding, as an active learner, I contribute to cybersecurity and project management initiatives as a volunteer and currently study Japanese at The Japan Foundation, Cairo.

Education

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|----------------------------|---|
| 2023/05 – present Egypt | The Japan Foundation, Cairo. <i>6th level student</i> |
| 2022/09 – present Egypt | Faculty of Computer and information science <i>Zagazig University</i> |

Technical skills

Languages

C#, C++, Python, SQL, Javascript

Technologies

Asp.Net(MVC), .NET(EF, ADO.net), Git, Github, HTML, CSS, Apache

Databases

MS sql server, Oracle database, Mysql, MongoDB

OS's

Linux (Kali Linux, Ubuntu), Windows

Concepts

OOP, Data structures and Algorithms, SOLID principles, Agile Methodologies

Cloud providers

Microsoft Azure

Problem solving

Certificates

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|-------------------|---|
| 2023/05 – 2024/11 | Software Engineering <i>ALX_Africa</i> <i>Technologies: C, Python, SQL, Node.js, MySQL, MongoDB, Redis, HTML/CSS, JavaScript (ES6+)</i> <ul style="list-style-type: none">• Programming: Strengthened skills in C and Python with a focus on data structures , memory management, dynamic allocation, bit manipulation, file I/O, and creating shells.• Python & SQL: Mastered Python scripting (modules, classes, file handling) and SQL database operations, including advanced join queries and database structures.• Web Development: Gained foundational knowledge of HTML/CSS and advanced backend specializations, including building scalable systems with Node.js and Python.• Database Expertise: Experience with MySQL and NoSQL databases (MongoDB), implementing caching algorithms with Redis to enhance performance.• Software Engineering: Applied unit/integration testing, asynchronous programming (async/await), and utilized modern JavaScript tools.• Additional Skills: Proficient with Git, server management, load balancing, API integration, internationalization, queuing systems, and user authentication. |
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Extracurricular Activities

2023/04 – 2024/04

Cyber Security and Project Management Team Member

EGI team ZU

Venturing the amazing world of Cyber Security, While Practicing and enhancing my project management skills.

Highlighted Projects

Employee Management Application :-

A pure C++ Employee Management console Application project that utilizes OOP concept to create a compact and efficient system.

Simple Shell :-

A pure C simple shell recreation peer (1) project

Social Media Activity Tracker :-

A pure C++ activity tracker console application peer (1) project that utilizes complex data structures in order to achieve maximum efficiency

Doit :-

DOIT is a deployed task management application that helps users organize, prioritize, and track their tasks efficiently. It features a user-friendly interface, session-based task management, and customizable light/dark themes. Powered by Node.js, Express, and MongoDB.

AirBnB_clone_v4:-

Peer project attempts to clone the the AirBnB application and website, including the database, storage, RESTful API, Web Framework, and Front End. Powered by Python, Ngnix, Flask, Mysql.

Languages

Arabic

Native

English

Full Professional Proficiency

Japanese

Limited Working Proficiency

French

Elementary Proficiency