

MOHAMED WAEEL ELTEIR

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Summary

Skilled software engineer with a passion for building scalable applications and clean, efficient code. Proficient in the .NET framework and multiple programming languages, with strong problem-solving abilities and experience delivering high-quality projects. Driven to stay current with industry trends and modern development practices.

Education

Alexandria University

September 2021 – May 2025

Bachelor of Science in Computer Science

GPA: 3.52

Saint Marc College

May 2007 – August 2021

Diploma

GPA: 2.83

Professional Training

Coach Academy

April 2024 – October 2024

Competitive Programming and Problem Solving

- Participated in a 6-month training program focusing on competitive programming and problem-solving.
- Enhanced problem-solving skills and learned advanced algorithms and data structures.
- Led to a 1100+ rating on Codeforces

Information Technology Institute (ITI)

August 2024 – September 2024

Open Source Development track

- Engaged in a 6-week training program centered on open-source development and software engineering principles.
- Developed a strong foundation in software engineering and open-source development.

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Technical Skills

Languages: C#, Java, C++, GO, Python, JavaScript, TypeScript, Julia

Technologies/Frameworks: ASP.NET, Jenkins, Jira, Docker, Git, GitHub, Postman

Programming Concepts: Object Oriented Design and Programming, Data Structures, Algorithms

Database Management: MS SQL, MySQL

Experience

Upwork

August 2019 – March 2020

Software Developer Freelancer

Remote

- Developed several websites for many clients that are being used till today.
- Assisted some of the clients with their existing websites and integrated some new features.
- Explored ways to visualize and enhancing my development with HTML, JavaScript, and CSS.

Projects

University Grades Notifier API | .NET

June 2024

- Engineered an API to authenticate with the university's portal, retrieve grade data, and dispatch push notifications upon the release of new grades.

Mini Search Engine | Python | 🌐 GitHub

April 2024


- Created a basic search engine capable of processing and ranking documents based on relevance metrics such as Cosine-Similarity, Jaccard-Similarity, and others.
- Enhanced the search engine's responsiveness and accuracy by implementing Likelihood Models.

Turing Machine Simulator | C++ | 🌐 GitHub

October 2023

- Developed a console-based Turing Machine simulator for a Theory of Computation course, accurately emulating the behavior of a real Turing Machine.

Achievements

Egyptian Collegiate Programming Contest (ECPC) |  2023, 2024

Contestant

- Twice finalist in regional qualifications contests, solving a wide range of complex algorithmic challenges.

Meta Hacker Cup |  2024

Contestant

- Progressed to the first round of the competition, solving a wide range of algorithmic challenges.

IEEE AlexSB 2024

Contestant

- Participated in the IEEE AlexSB Programming Contest, solving a series of algorithmic challenges in a timed environment.

Volunteer Experience

HackerRank Campus Club, AUFS January 2024 – October 2024

Head of the Backend track

Alexandria University

- Served as the head and instructor for the back-end track, utilizing the .NET framework to teach and mentor students.
- Led a highly productive team that successfully completed multiple projects and significantly improved post-campus performance.
- Managed the executive board of 5 members, conducting weekly meetings to monitor and drive progress in key areas.
- Directed a chapter of over 20 members, focusing on community service, teamwork, creativity, academic excellence, and mentorship.