Yousry Essam Ayoub

Software Engineer

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 Exempt from military service

PROFESSIONAL SUMMARY

Software Engineer with strong problem-solving skills and a solid grasp of software engineering principles and competitive programming. Experienced in developing full-stack applications with .NET technologies, with knowledge in solving complex problems, and solved more than +3500 problems on various online judges. Quick to learn new technologies and focused on writing clean, maintainable code. Looking to contribute to a collaborative tech team while continuing to grow professionally.

EDUCATION

9-Month Diploma: Professional Training Program (PTP)   Information Technology Institute (ITI)
Professional Development & BI-infused CRM   Oct 2024 – Jul 2025

Bachelor of Computer Science   Assiut University
Faculty of Computer Science and Information Technology   Oct 2020 – Jul 2024
GPA 2.93/4.0

EXPERIENCE

Junior Software Engineer   Nov 2025 – Present
Toq Information Technology (Toq IT)   Riyadh, Saudi Arabia · Remote

- Developing full-stack web applications using ASP.NET MVC, ASP.NET Core, C#, and the .NET ecosystem.
- Building responsive and intuitive UI components using Angular and modern front-end practices.
- Implementing APIs, data access layers, and back-end features to support business requirements.
- Collaborating with cross-functional teams to deliver clean, maintainable, and scalable solutions.

Software Engineer   Jun 2025 – Present
IPMagiX   Cairo, Egypt · Remote

- Developing and maintaining software applications using .NET technologies and modern development practices.
- Working on projects utilizing ASP.NET Core, Entity Framework, and related .NET ecosystem tools.
- Applied problem-solving skills and software engineering principles to address complex technical challenges.

Summer Internship   Jul 2023 – Aug 2023
Petra Software Industries   Assiut, Egypt · Onsite

- Designed and managed databases using MySQL for real-world project implementations.
- Wrote efficient, high-quality SQL queries to support diverse application needs.

TECHNICAL SKILLS

Backend	:	ASP.NET Core, .NET Framework, RESTful APIs, Web API , Entity Framework Core, LINQ, SignalR
Languages	:	C#, C++, Python, JavaScript, TypeScript, SQL
Databases	:	Microsoft SQL Server, MySQL, MongoDB
Frontend	:	Angular, Blazor, HTML5, CSS3, Bootstrap, jQuery
Tools	:	Visual Studio, VS Code, Postman, Swagger
Development	:	OOP, SOLID Principles, Clean Architecture, CQRS , Algorithms , Data structures ,Design Patterns, Git , Agile/Scrum, GitHub, Unit Testing

SOFT SKILLS

Communication	:	Technical Documentation, Cross-functional Collaboration
Problem Solving	:	Critical Thinking, Analytical Reasoning, Debugging
Adaptability	:	Learning New Technologies, Working Under Pressure

PROJECTS

ShahraZad (Graduation Project - A+ Grade) *Flutter, FastAPI, Python, NLP, TTS APIs, Deep Learning*

- Built a cross-platform app that converts stories into expressive audio using deep learning and generative AI with emotional TTS, voice customization, and Arabic/English support.

Fit4Job - Recruitment and Hiring System 🔗 *ASP.NET Web API , Web APIs , EF Core, SQL Server , JWT*

- Built a full-stack recruitment platform with advanced job search, applicant tracking, skill-based matching, and online exams.

BlOO - Social Media Web Application 🔗 *ASP.NET MVC Core, SignalR, EF Core, SQL Server, JWT, JavaScript, Bootstrap*

- Developed a full-featured social platform with real-time messaging, post sharing, social interactions, and responsive design.

TrendOra - E-Commerce Web APIs 🔗 *ASP.NET Web API, EF Core, SQL Server, JWT, Swagger, REST*

- Designed and implemented RESTful APIs for an e-commerce platform supporting 3 user roles (Admin, Trader, Customer) with product management, order tracking, and secure authentication.

Dynamic CMS Platform *ASP.NET Core Web API, EF Core, SQL Server, REST*

- Led backend development for a WordPress-like CMS platform, architecting RESTful APIs to enable content management from design to production with scalable, maintainable architecture.

Personal Portfolio Website 🔗 *HTML5, CSS3, JavaScript, Bootstrap , GitHub Pages*

- Built a responsive, accessible portfolio site to showcase projects and skills, with a focus on clean design and performance. Deployed via GitHub Pages.

Todo App 🔗 *HTML5, CSS3, JavaScript (ES6)*

- Built a responsive task management app with add, filter, and delete features, plus light/dark mode for better UX.

VOLUNTEERING

Problem Solving Training Lead Oct 2024 – Jul 2025
Information Technology Institute (ITI) - Assiut Intake 45 *Assiut, Egypt*

- Led problem-solving training sessions for ITI colleagues, covering algorithms, data structures, and competitive programming techniques.
- Mentored and instructed peers in developing analytical thinking and coding problem-solving skills.

Instructor & Mentor (C++ and Problem Solving Skills) Mar 2024 – Jun 2025
ICPC EELU Community *Assiut, Egypt*

- Led C++ and problem-solving sessions, created lesson plans, and mentored students on algorithms, debugging, and coding best practices.

Mentor (C++ and Problem Solving) Oct 2021 – Jun 2024
ICPC Assiut Community *Assiut, Egypt*

- Guided peers in C++ and algorithms, offering support in debugging and problem-solving while strengthening mentoring and communication skills.

AWARDS AND COMPETITIONS

- ECPC 2024 Finals 🔗 – Ranked 51st among 397 teams (top 13%) in Egypt's premier competitive programming contest.
- ECPC 2024 Qualifications 🔗 – Secured 29th position out of 447 teams (top 7%).
- ECPC 2023 Qualifications 🔗 – Achieved 22nd place among 235 teams (top 10%).
- ECPC 2022 Qualifications 🔗 – Placed 24th out of 237 teams (top 11%).
- Programming Warfare 2023 – Ranked 19th among 150 teams in Upper Egypt's regional programming competition.
- Solved 3500+ programming challenges across various platforms (Codeforces, LeetCode, HackerRank).