

Nada Abdelghaffar Fahmy

Software Engineer - Backend Developer

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Professional Summary

A Computer Science student and backend developer, experienced in building scalable and efficient backend systems using Node.js, Express.js, .NET Core, SQL, MongoDB, and RESTful APIs. With a Solid foundation in backend architecture, database design, and API development. Currently seeking opportunities to contribute to backend development projects while advancing knowledge in DevOps, microservices infrastructure, troubleshooting, and debugging.

Education

Helwan University — Bachelor of Computer Science and Artificial Intelligence **Sep 2022 – Jul 2026**
Information Systems Department
GPA: 3.67 / 4.0 (Excellent)

Experience

Digital Egypt Pioneers Initiative – DEPI || Full Stack Web Development Trainee **Jan 2025 – Present**

- Build RESTful APIs and backend services using C# and .NET Core Web API.
- Built web applications utilizing HTML5, CSS3, JavaScript, and MVC architecture.
- Gained hands-on experience with SQL databases, API design patterns, and backend frameworks.

ALX Academy || Software Engineering Internship **Aug 2023 – Jan 2024**

- Explored core topics including Data Structures & Algorithms, C programming, Python scripting, Networking Basics, SQL, and REST API development.
- Built backend logic, database interactions, and optimized code performance.
- Practiced problem-solving skills, clean code principles, code reviews, and collaborative development using Git.

Projects

Simple Shell – [Link](#)

- Designed a **Simple Shell** interface in C language, parsing and executing **15+ core system commands** with an execution accuracy rate of **100% during testing**.

Weather App – [Link](#)

- Created a **responsive web application** using **HTML, CSS, and JavaScript** to fetch and display **real-time weather data** based on user location. Integrated into a third-party (open weather API) to fetch and display real-time weather for **100+ global cities**, ensuring **< 1 second API response time**.

Skills

Technical Skills:

- **Programming Languages:** JavaScript (ES6+), C/C++, Python, C#, Java, PHP, HTML5, CSS3
- **Frameworks/Technologies:** Node.js, Express.js, .NET Core Web API & MVC, Spring Boot
- **Databases:** MySQL, Microsoft SQL, SQLite, MongoDB
- **Concepts:** RESTful API Design, OOP, SOLID Principles, Data Structures & Algorithms, RDBMS, ORM, Agile
- **Tools:** Git/GitHub, Linux (Bash), Postman, Visual Studio Code

Soft skills:

- Communication skills, Problem-solving, Self-learning, and working under pressure.

Language

- **Arabic:** Native or Bilingual
- **English:** Fluent