

# Loay Alkashif

Software Engineer

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## PROFILE

Dedicated Backend Developer specializing in .NET technologies, with solid experience in building scalable, secure, and maintainable server-side applications using C# and ASP.NET Core. Strong background in designing and consuming RESTful APIs, implementing clean and layered architectures, and working with relational databases such as SQL Server using Entity Framework Core and LINQ. Experienced in Node.js and Express.js, leveraging JavaScript and TypeScript to develop efficient backend services and integrate with NoSQL databases like MongoDB. Demonstrates a strong understanding of software engineering principles, performance optimization, and collaborative development using Git and modern development workflows.

## EDUCATION

**Bachelor's Degree in Computer and Informatics**  
Zagazig University

Oct 2017 – Jul 2021

## INTERNSHIP

**Information Technology Institute (ITI) - Intensive Code Camp (ICC)**  
Full Stack Web Development Using .NET

Dec 2024 – Jul 2025  
Banha, Egypt

**Route Academy**  
Diploma in Backend Web Development (Node.js)

Apr 2024 – Sep 2024

## TECHNICAL SKILLS

**Programming Languages**  
C#, JavaScript, TypeScript

**Concepts**  
OOP, Data Structures, Algorithms, Design Patterns, SOLID Principles, Git and GitHub, Docker

**Backend**  
ASP.NET MVC, ASP.NET Web APIs, Entity Framework, LINQ, Node.js, Express.js, RESTful APIs, Mongoose

**Databases**  
SQL Server, PostgreSQL, MySQL, MongoDB

**Frontend**  
HTML, CSS, Angular, Bootstrap

**Automation Tools & Technologies**  
UiPath (Studio, Orchestrator, UI Automation, Data Scraping), RPA Concepts, Workflow Design, Object Repository, REF

## PROJECTS

### Job Recruitment Platform (Muzzuf)

**Technologies:** Angular, TypeScript, HTML, CSS, ASP.NET Core Web API, C#, EF Core, SQL Server, JWT

- Full-Stack web application built using Angular and ASP.NET Core Web API following 3-Tier Architecture.
- Employees can upload their CV and profile image, as well as manage their personal profile information.
- Employees can browse all active jobs, search for specific jobs, apply using CV uploads, text answers, or voice-recorded answers, and track all their applications, including submitted responses.
- Employers can create and manage job posts, view applications, and review candidate answers by accepting or rejecting them.
- Employers can close job postings to prevent new applications from being submitted.
- Implemented user search with the ability to view other users' profiles

## **Smart Task Management System - ITI (Information Technology Institute)**

**Technologies:** ASP.NET MVC, Entity Framework, SQL Server, SignalR, Bootstrap, jQuery, Sortable.js.

- Created a base permission system with role-based access control to secure and manage user privileges across modules.
- Enhanced a real-world task management platform to streamline team collaboration and resource planning across multi-level organizations (branches, departments, projects, and tasks).
- Applied dynamic Kanban boards with drag-and-drop functionality to manage tasks efficiently.
- Integrated real-time meeting scheduling and calendar management with Microsoft Outlook synchronization.
- Added an Audit Log feature to track critical system actions and ensure traceability of all user activities.

## **Store App – API:** ☀

**Technologies:** ASP.NET Web APIs, Entity Framework, LINQ, SQL Server, Stripe.

Developed a robust e-commerce RESTful API that allows users to browse products, add them to a basket, place orders, and complete payments securely via Stripe. Planned using the Onion Architecture for clean separation of concerns and scalability. Using full CRUD operations, business logic layer, and secure payment processing with Stripe integration. Used EF Core with LINQ for efficient data access and relational management.

## **School-Management – MVC Application:** ☀

**Technologies:** ASP.NET MVC, Entity Framework Core, SQL Server, LINQ, Bootstrap.

Designed and improved a web-based application to efficiently manage the relationships between instructors, courses, students, and departments. Performed full CRUD operations for each entity with proper relational integrity, enabling seamless data interaction and association.

## **Home4Pets – Desktop Application:** ☀

**Technologies:** C#, .NET (Windows Forms), Entity Framework Core, SQL Server, LINQ.

Engineered a Windows Forms desktop application for pet adoption with role-based access control, distinguishing pet owners (listing pets) from adopters (submitting requests). Streamlined SQL Server operations via EF Core to track adoption requests, categorize pets, and log user activities.

## **COURSES**

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**Automation Developer Professional Training - UiPath Academy**

**Automation Developer Associate - UiPath Academy**

**Node.js Backend Development – Mahara-Tech**

**Git and GitHub – Almdrasa**

**Nanodegree Professional Frontend Web Development - Udacity**

## **INTERPERSONAL SKILLS**

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- Continuously expand my knowledge by exploring new technologies and best practices independently.
- Maintain efficiency and focus while delivering high-quality results under tight deadlines.
- Communicate openly, confidently, and effectively.
- Analyze complex issues, identify root causes, and implement effective solutions.
- Prioritize tasks effectively to meet deadlines and optimize productivity.

## **LANGUAGES**

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Arabic: Native

English: B2 (Upper-Intermediate)