

Loay Alkashif

Software Engineer

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PROFILE

Dedicated Backend Developer with a primary focus on .NET technologies, specializing in building efficient, scalable, and maintainable server-side applications using C# and .NET Core. Proficient in designing RESTful APIs, integrating with SQL Server, and following Clean Architecture principles. Experienced with Node.js and Express.js, leveraging JavaScript and TypeScript to build cross-platform solutions and manage NoSQL databases like MongoDB, adding flexibility to the backend skill set. Additionally, experienced in Robotic Process Automation (RPA) with a focus on developing automation solutions to streamline business processes and enhance productivity.

EDUCATION

Bachelor's Degree in Computer and Informatics
Zagazig University

Oct 2017 – Jul 2021

TECHNICAL SKILLS

Programming Languages
C#, JavaScript, TypeScript

Other
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, REST 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

LANGUAGES

Arabic: Native

English: B2 – Intermediate

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

PROJECTS

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).
- Implemented 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.

Muzuf – MVC Application: ☈

Technologies: Node.js, Express.js, MongoDB, Mongoose, EJS, Socket.IO, Bootstrap.

Built a Node.js and Express.js MVC platform connecting developers with employers, enabling job postings, candidate filtering by programming languages/city/experience, and application management (accept/reject). Enforced real-time search using Socket.IO and dynamic UI rendering with EJS and Bootstrap.

COURSES

Automation Developer Associate - UiPath Academy

Node.js Backend Development – Mahara-Tech

Git and GitHub – Almdrasa

Nanodegree Professional Frontend Web Development - Udacity

INTERPERSONAL SKILLS

- 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.