

# Khaled Ibrahim Al-Desuky

## Software Engineer

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[Portfolio](#) | Military Status: Exempted

### Education

**Assiut University**, Assiut, Egypt 2021 – 2025  
**Bachelor of Computer Science**, Faculty of Computers and Information.  
**Graduation Project:** Excellent

### Work Experience

- **Technical Project Coordinator at IPMagiX** Jul 2025 - present  
Lead daily stand-up meetings to track team progress, resolve impediments, and implement DevOps practices for workflow management. Serve as the primary liaison for requirements gathering between clients, stakeholders, and technical teams. Manage all project communications and documentation using Microsoft 365 tools to provide solutions that streamline operations for all parties.
- **Full Stack Developer Internship (.NET & React) at AZM Squad** Jul 2025 - Oct 2025  
Successfully completed a comprehensive training roadmap. Gained full-stack experience using .NET for the backend and React for the frontend within a proprietary cloud environment.
- **Full Stack Developer Internship (.NET & Angular) at Egabi Solutions** Jul 2025 - Aug 2025  
Contributed to the Ministry of Health and Housing (MOH) project, focusing on enhancing and securing the Login functionality. Additionally, worked on developing the edit and update phase for the licensing module.
- **Cloud Computing And AI intern at EJADA** Jul 2024 - Aug 2024  
Gained hands-on experience with Google Cloud Platform (GCP), from resource estimation to deploying a web application. Focused on web security principles (OWASP Top 10) and conducted comparative analysis of leading cloud platforms (GCP, AWS, Azure, and Oracle).

### Projects

**FAST FOOD DELIVERY (OTLOBLY)** Mar 2024 - Apr 2024  
Developed using ASP.NET Core MVC 7, with distinct roles for Superadmin, Admin, and Customers. Utilized LINQ, MVVM, Identity, and Stripe API for streamlined functionality.

**ONLINE EXAM** Nov 2023 - Dec 2023  
Developed using ASP.NET Core MVC 8, supporting online exams with Admin and Student roles.

**N-Queens Solver using Genetic Algorithm (Python)** Feb 2024  
Implemented the N-Queens problem solution using a Genetic Algorithm in Python, incorporating crossover, mutation, and a fitness function to optimize the solution.

**Distributed Database System (Go & MySQL)** Apr 2025 - May 2025  
Developed a MySQL cluster management system in Go with Master-Slave replication, automatic failover, CRUD operations, and cluster monitoring via RESTful APIs. The system supports real-time database replication, node health checks, and remote shutdown capabilities.

**Pill Spot (Graduation Project)** Sep 2024 – Aug 2025  
Developed a full-stack smart pharmacy locator platform to connect patients with nearby pharmacies. Built with React, .NET 8 Web API, and MySQL, it features real-time medicine search, pharmacy/staff management, and secure authentication. Implemented location-based search, SignalR notifications, and role-based access control. Applied advanced DB techniques (spatial queries, soft delete).

## Skills

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- **Technical Skills**  
Data Structures, Algorithms, OOP, Advanced Database, Distributed Databases, Operating Systems, Parallel Computing, Network, Image Processing, Computer Vision, AI, Data Mining, Computer Security, Software Engineering.
- **Programming Languages**  
C, C++, C#, Java, Python, Go, SQL.
- **Frameworks & Technologies**  
ASP.NET Core, Entity Framework, LINQ, Familiar with React & Angular.
- **Communication Skills**  
Verbal, Written, Listening, Negotiation
- **Soft Skills**  
Problem Solving, Leadership, Team Work, Time Management, Adaptability, Work Ethic.
- **Tools & Platforms**  
Git, GitHub, Visual Studio, MySQL, Microsoft SQL Server, Jira, Azure, GCP, AWS, Visual Studio Code, Microsoft Office / 365
- **Certificates**  
[AWS Academy Graduate - Academy Cloud Foundations](#), [Google Cloud Fundamentals: Core Infrastructure Google](#), [ECPC Qualification](#).

## Volunteering

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- **President, Students Union — FCI** - Assiut University 2024–2025
- **Main Organizer, Assiut Employment & Freelancing Forum (Third Edition)** 2024–2025
- **Main Organizer, SolveX Hackathon & Jop Fair** - Assiut 2023–2024
- **C++ Programming Fundamentals Instructor** - Bionic Assiut 2023–2024
- **Head of Public Relations Department** - Bionic Assiut 2023–2024

## Languages

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- Arabic - Native
- English - B2