Khaled Ibrahem Al-Desuky

Software Engineer

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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 Deceloper 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

- **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

- **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

- Arabic - Native
- English - B2