Ahmed Kamal Mohamed **DAWOOD**

6th of October City, Giza, Egypt

+20 109 576 1057

akdawood97@gmail.com

Objective:

As an Engineering Software Developer with a Civil Engineering Informatics diploma and a Civil Engineering bachelor's degree, I am highly motivated, creative, and eager to learn. I am seeking to leverage my knowledge and skills to help create innovative solutions that can be beneficial for the engineering industry.

Work Experience:

Oct. 2021 – Present
Remotely

Software Developer at DiRoots

- Designed and implemented custom Autodesk Revit solutions using .NET Framework with WPF and MVVM design pattern.
- Participated in code reviews manually and with sonarQube.
- Implementing business logic for web applications and creating associated endpoints using .NET Core.
- Worked on GIS solutions using NASA database, OpenStreetMap, osmiuim and Maperitive.
- Worked on migrating desktop application business logic to a web API.
- Refactored existing legacy code and upgrading to modern frameworks.
- Implemented unit testing using xUnit and Moq Framework.
- Worked in agile workflow using Jira.

Jan. 2020 – June 2020
On-Site

Geotechnical Engineer at Geo-Cairo Engineering

- Applying lab tests on borehole samples, calculating results according to ECP and ASTM codes.
- Created Logs Builder which is an innovative solution to help engineers easily plot logs for different boreholes throughout a simple excel user-form using VBA.

Education:

Oct. 2020 – June 2021

Professional Diploma in software development, Civil Engineering Informatics, Information Technology Institute (ITI), Giza, Egypt

- Graduation Project: a web-based structure analysis software service for solving structural systems using Three.js and webGL for graphics, asp.net core for backend and SAP2000 API as a finite element solver.

Sep. 2014 – July 2019

Bachelor of Science in Structural Engineering, Cairo University, Egypt

- Accumulative GPA: **3.51** out of **4** (Grade: **B+**)

Internships:

In 2020   Participated in the Egypt FWD initiative (Data Specialization – Challenge Track)

In 2018   Trainee Highway Site Engineer at Arabs Contractors, Giza, Egypt

In 2018   Trainee Design Engineer at Center of Design & Engineering Consulting, Giza, Egypt

Volunteering Activities:

Since 2017   Co-Founder and Coach at DOSS CUFE (Developing Organized Students' Society)

In 2015   Math Teacher at Credit Club CUFE in a charity school in Btn el baar village

Skills:

Soft Skills:	Problem solving, Teamwork, Research, Time management, Presentation skills & Efficient Communication
Languages:	Arabic (native), English (Fluent) & German (Beginner)

Programming Languages and Development Skills:

Good Knowledge of:
- C#, VBA
- ASP.NET, .NET Framework, and .NET Core
- Parallel and Async Programing.
- RESTful API
- Entity Framework, SQL, and Database Design Fundamentals
- WPF Framework and MVVM design pattern
- Object-oriented Programming
- Version control using git and GitHub
- Revit API and SAP2000 API

Basic Knowledge of (currently exploring):
- Microsoft Azure
- JavaScript
- Three.js and IFC.js

Personal Info:

Military Status	Exempt
Marital Statues	Married
Born Date	22 January 1997
LinkedIn	https://www.linkedin.com/in/ahmed-k-dawood/

References:

Available upon request