

Khalid Fathy

Software Engineer

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 Single

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 EngKhalidFathy

 Exempted

Consultancy Group
Sr. AEC Software Engineer

08/2023 – 10/2024
Nasr City, Egypt

- Automate the repetitive tasks by creating plugins.
- Creating a software application for the company (Desktop, WEB).
- Integrate business intelligence with construction.
- Mentoring junior developers, ensuring their growth and successful task execution.

Company : Al Masa for smart solutions
Structural technical Bim engineer , Bim developer

01/2022 – 10/2022
Al-maadi, Egypt

- Automating Tasks using Dynamo and Revit API .
- Modelling Structural and Architectural Models .
- Create BOQ and Shopdrawing.

Soft Skills

Presentation Skills | Confidence | Coordination and Collaboration | Management Skills |
Quick learner | Agile Methodolgy

Programming Skills

C#	LINQ
WPF Desktop Applications using MVVM Architectural pattern	Python
Design Patterns	Git Version Control
UML (Unified Modeling Language)	Jira
Github	Github actions on progress
Microsoft Azure Services	Docker
Syncfusion WPF library	Handy Control WPF Library
Material Design Library	Mah Apps WPF Library
Community Toolkit MVVM Library	XeoKit Library
Prism	Jira

BIM Development Skills

Revit API	AutoCad API
NavisWorks API	Sap API
Dynamo	Grasshooper On progress
Autodesk Platform Services (APS) (On progress)	

Web Development Skills

HTML

Front End

JavaScript

Front End

Jquery

Front End

React

Front End

Entity Framework

Back End

Web API

Back End

SQL

Back End

CSS

Front End

TypeScript

BootStrap

Front End

Angular

Front End

Asp.net Core MVC

Back End

SignalR

Back End

BIM Engineer Skills

Revit Structural

Revit Architectural

NavisWorks

AutoCad

PowerBI

BIM 360

Rhino

on progress

Projects

Geo Exporter

Export a Revit model into over 20 different file formats, retaining all materials, to ensure compatibility with Unity, Blender, Unreal Engine, and other software. Additionally, display the model in a viewer and provide support for five different languages.

[Click me for the demo](#) 

[Click me for Videos in youtube](#) 

CGenius System

We are currently developing a tailored ERP system for our company. This desktop application includes various modules such as HR and project management. It integrates with Entity Framework and follows an N-tier architectural pattern.

Email Refiner Outlook Addin

Developing an Outlook add-in that integrates with GPT to compose emails and connects with MongoDB to retrieve company data for email signatures.

[Click me for more details](#) 

Tiles Generator

Create tiles from room boundaries with a specific rotation, featuring six different patterns (Ashlar, Herringbone, Double Herringbone, Wooden, Stacked, and Mixed). Each pattern will have specific width, height, and floor type specifications.

Portfolio [↗](#)

Here are a selection of plugins I developed within my company, illustrating how they facilitate cross-software interaction. Additionally, I'll discuss how I leveraged insights from these plugins to monitor their progress.

[Click me for the demo.](#) [↗](#)

Common data environment (OSP CDE)

Graduation project on ITI

it is a centralized platform that facilitates collaboration, communication, and information exchange among stakeholders in a construction project using Building Information Modeling (BIM). It serves as a shared repository for project data, ensuring data integrity, version control, and streamlined workflows.

[click me for the demo](#) [↗](#)

Clothify ECommerce Web Application

ASP.net Core MVC

It is an E-Commerce Web Application store that deals with the clothes .

[Click me for the demo](#) [↗](#)

video production and editing

Camtasia

Languages

Arabic Mother Tongue

English

Courses

Bim Diploma

08/2021 – 05/2022

Bim Solutions

Dokki, Egypt

- Revit
- Dynamo
- Navisworks
- Bim 360

Shop drawing with Revit by Sofistik and Manual ToBIM

02/2022 – 03/2022

Nasr City, Egypt

Dynamo

03/2022 – 05/2022

Bim Station

BIM Development Application Track

07/2022 – 10/2022

kaitech

Certificates

- [Click here to see all the certificates](#) [↗](#)

Interests

Creating Videos  | Playing Online Games | Learning new Things

References

Reference are available upon request