

Mostafa Gomaa

BIM Developer | BIM Automation

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Location: Berlin, Germany

Profile

Goal-Oriented BIM Developer with (+7 years of experience) in BIM technology including (+1 years of experience) in BIM Automation. Skilled in C#, WPF, MVVM and Revit API so that I can have optimized project outcomes using BIM processes and technologies.

Education

Sep 2013-
July 2018

BSc of Mechanical Engineering

Mansoura University

Majored in Mechanical Engineering - Power Division.

Overall Grade: Very Good

Graduation Project Grade: Excellent

Experience

Feb 2024-
Current

BIM Software Developer

Inolares GmbH & Co. KG | TGA-Planung | Digitalisierung

Job Description

- Developed multiple Revit plugins using WPF, MVVM, and Revit API.
- Standardized BIM processes and created custom families and parameters.
- Conducted model health checks, clash detection, and automated reporting.

Key projects

- InoSharedToProject – a tool to shared params into project params.
- InoMatrixRevit – a tool used to export all params used in Inolares software.
- InoBlockCreator – a tool used to create a detail item from element plan view.
- InoProSheetExport – a tool to patch export sheets in different formats.
- InoTracker - a tool to get statistics about time/actions in projects and docs.
- InoViewsDuplicator – a tool used to duplicate patch views assigning view template.
- InoDurchbrueche – a tool to manage clashes from html Navis or Revit report.
- InoWorksets – a tool used to show and hide our projects
- InoSymbolLink – a tool used to convert cad symbols into Revit families.

Jan 2023-
Jun 2023

Mechanical BIM Design Engineer

Consultancy Group KSA (Part-time)

July 2021-
Jun 2023

Mechanical BIM Technical Office Engineer

Hassan Allam Kortech

Mechanical Technical Office Engineer at site

Redcon Construction

Nov 2020-
Jun 2021

Firefighting and Plumbing Design Engineer

RMC – Raafat Miller Consulting

Feb 2019-
Nov 2020

Firefighting and Plumbing Design Engineer

EDC - Electromechanical Design Center

Jul 2018-
Feb 2019

Internships

Jul 2023-
Nov 2023

ITI BIM Automation Track

Intensive Training Program (ITP)

Information Technology Institute (ITI), Smart Village Branch

Description

This internship prepares me to become a proficient BIM software developer.

Projects

- A school management system using C# and WPF.
- CAD plugin used to manage layers and graphical shapes using Excel.
- Revit plugin for converting 2D CAD drawings into 3D Revit models.
- Tag auto alignment tool Revit plugin.

Feb 2023-
Jul 2023

BIM APPLICATION DEVELOPMENT

Kaitech Scholarship, online (Grade 97%)

Description

In this internship, a combination of C#, LINQ, windows forms and Revit API is taught.

Projects

- Revit plugin that automates the distribution of sprinklers based on NFPA.

Feb 2023-
Jul 2023

BIM MEP Track

BIM Solutions, Cairo

Description

This internship provides the basic information to delve into the BIM career.

It gives a good idea about Revit MEP, how to be a BIM Coordinator/Specialist, Navisworks and Dynamo.

Feb 2023-
Jul 2023

MEP Design

Engineering House (EH), Cairo

Description

Learn how to become a system building designer, including HVAC, Fire Fighting and plumbing.

Courses

Jul 2023
Apr 2023
Jan 2019

Database Fundamentals, MaharaTech

Dynamo Essential Training, LinkedIn Learning

Revit MEP Essential Training, LinkedIn Learning

Certificates

Jan 2023

IELTS - Overall score of 7 British Council

Skills

BIM

- Revit MEP
- Navisworks
- APIs- Revit/NW/CAD
- Dynamo

Programming

- C# - OOP
- LINQ
- WPF - MVVM
- SQL Server

Web(Front End)

- HTML/CSS
- Javascript
- Bootstrap/Tailwind
- React

Engineering

- AutoCAD
- Elite (FF Calc)
- HAP
- Ashrae

Languages

Arabic – Native

English – Fluent

German – UpperIntermediate (B2)

French – Intermediate

Extra Info

Nationality: Egyptian

Married