

# AHMED ASHOUR SALEH

**BIM COORDINATOR || DEVELOPER**

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**A dynamic BIM Coordinator and innovative BIM Developer**, combining advanced expertise in 3D modeling (up to LOD 500), 4D/5D simulations, and clash detection workflows to drive cutting-edge project execution. Certified as an ISO 19650 Information Management Practitioner, with a deep focus on Open BIM and achieving seamless Interoperability through MVDs and IFC classes. Adept in **Computational Design with Rhino and Grasshopper** and crafting custom BIM solutions in C# for platforms such as Revit, Tekla, and CSI packages. Expertise as **Full-Stack Web Developer**, leveraging technologies like C#, JavaScript, SQL Server, ASP.NET, Angular, HTML, and CSS to integrate engineering with advanced digital solutions.

## EDUCATION

### **CIVIL ENGINEERING MAY (2014\_2019)**

Zagazig University, Faculty of Engineering

Degree: Very Good

Graduation Project: Structural Analysis

Graduation Project Degree: Excellent

## EXPERIENCE

### **1/9/2021 TO (CURRENT)**

#### **BIM COORDINATOR & DEVELOPER, ZAMIL STEEL GETS**

Steel Structures: 3D modeling, coordination, shop drawings, and as-built drawings

Autodesk Construction Cloud as CDE (Collaboration, Transmittals, Issues Management)

Leveraged Grasshopper for interoperability between platforms (Revit, Tekla, CSI packages), creating data connectors for seamless integration

Applied Open BIM and IFC techniques to establish unique workflows across diverse BIM tools

Developed automation tools for Revit, Tekla, and CSI packages using C#, WPF, MVVM, APIs and Ai for enhanced performance

**Projects:** (Seven Entertainment: Exit10,15 -Dammam -Madinah)-King Salman-Red Sea Marine Life Ins.)

### **1/3/2021 TO 1/9/2021**

#### **STRUCTURAL DESIGN ENGINEER, MOUSSA CONSULT GROUP**

Structural Design for MEGA Projects in Egypt (BADR & MUST) Universities

Shop Drawings Using ASD (MEDICAL PLAZA PROJECT)

Revit 3D Modeling and Concrete Shop Drawings

1/3/2021 TILL 1/12/2021

**FREELANCER DESIGN ENGINEER,** TRUST ENGINEERING CONSULTANCY LOCATED IN DOHA-QATAR

Projects Setup, Preparing layouts and External References

Statical System and Framing Planes (Include Transfer Girders & transfer Slabs)

Fully Design of RC Elements Due to Vertical and Lateral Loads according to  
(BS-8110-1997, UBC97, ACI 318-14)

**BEST MEMBER UTW-BIM ROUND 11 INTERNSHIP,** ECG (ENGINEERING CONSULTANT GROUP

- Led BIM execution with tasks including Revit template creation, families, parameters
- Conducted BIM standards comparison and developed BIM Execution Plan
- Managed CDE on BIM 360 Docs, developed LOD 300 models (AR-ST-MEP)
- Executed clash detection (LOD 350), 4D/5D simulations with Navisworks and Primavera
- Delivered LOD 400 shop drawings, As-Built models, and 7D/CooBie (LOD 500)

**BEST MEMBER UTW-STR ROUND 10 INTERNSHIP,** ECG (ENGINEERING CONSULTANT GROUP

- Led structural design workflows and system analysis
- Conducted code comparisons and lateral load analysis
- Contributed to the full structural design of King Faisal University (KSA)

## SKILLS

- Revit, Navisworks, Dynamo
- Tekla, Rhino, Grasshopper
- Computational Design, Parametric Modeling
- Concrete Structural Design with CSI Package
- APIs (Revit, Tekla, AutoCAD, Sap, Etabs)
- C#, WPF, MVVM
- Java Script, HTML, Angular
- Ai, Database

## PERSONAL DATA & LANGUAGES

- Date of birth (15 Aug,1996)
- Military state (Served)
- Arabic (Mother Tongue), English (V. GOOD)

### CERTIFICATES:

Information Management Practitioner (OPERAM Academy) [Ref](#)

Full Stack Web Developer (Route Academy) [Ref](#)

Grasshopper and Rhino: C# Scripting (LinkedIn Learning) [Ref](#)

Tekla Open API Fundamentals (Trimble Tekla) [Ref](#)