

BASANT YAHIA

STRUCTURAL BIM ENGINEER

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Professional Summary

Structural BIM Engineer- Specialist with 4 years of experience in the AEC industry, specializing in Building Information Modeling (BIM). Expertise in managing BIM workflows, coordinating multidisciplinary teams, and using BIM software like Revit, Navisworks, and Dynamo. Proven ability to deliver high-quality, clash-free models and ensure compliance with BIM standards such as ISO 19650. Seeking a BIM Coordinator role to leverage my skills in driving project success and innovation.

BIM Skills

- **BIM software proficiency:** Revit, Navisworks, Solibri, Dynamo, Synchro Pro, Enscape
- **3D Modeling & Visualization:** Developed detailed 3D models for architectural and structural elements, including realistic visualizations and renderings.
- **BIM Coordination:** Coordinated multidisciplinary teams (architecture, structure, MEP) to produce cohesive, clash-free models.
- **BIM Management & Compliance:** Managed BIM processes, ensuring compliance with industry standards like ISO 19650 and delivering projects on time.
- **Standards & Compliance:** Knowledgeable in applying industry standards according to ISO 19650 and ensuring BIM models adhere to regulatory requirements and best practices.
- **Clash Detection & Resolution:** Proficient in identifying and resolving clashes using Navisworks and other BIM tools, ensuring smooth project execution.
- **Template & Family Creation:** Experienced in creating and managing custom Revit templates and families, enhancing project efficiency and consistency.
- **Documentation & Detailing:** Skilled in generating detailed construction documents and shop drawings directly from BIM models, ensuring accuracy and precision.
- **Interdisciplinary Collaboration:** Ability to work effectively with architects, engineers, and contractors to integrate BIM processes into traditional workflows.
- **Model Review & Quality Control:** Proficient in reviewing BIM models for accuracy, compliance, and constructability, ensuring high standards are maintained.
- **Open BIM:** Knowledgeable in applying open BIM standards according to BuildingSmart (IFC, BCF).
- **4D & 5D BIM:** Experience with integrating time (4D) and cost (5D) elements into BIM models to support project scheduling and budget management.
- **Level of information needed:** Awareness of all LOD and LOI specification.
- **Information management and Project management:** integrate BIM system with project management.
- **3D scanner:** trading with 3d scanned model with Autodesk point cloud.
- **Creating a dependent:** Developed BIM Model for "Khalifa tower" to improve my skills

Experience

1/2/2026 – YET ATRIUM-QUALITY CONTRACTORS

Noor South Regional Commercial Center

BUILDING (B20 , C20 , C30 , B30 , BR06 , BR01)

1/1/2025 – 26/1/2026 BACK OFFICE TO ALZAMIL ENGINEERING CONSULTING OFFICE IN KSA.

- **VILLA ASK MODELING AND SHOP DRAWING WITH REVIT IN KSA.**
- **Scooping the concrete structure in Al Zamil factory**

15/11/2024 – 1/2/2025 BACK OFFICE TO THE LINE IN KSA

- **MADINAH SEVEN MODELING AND SHOP DRAWING WITH REVIT IN KSA.**

1/1/2024 – 1/1/2025 BACK OFFICE TO AWTAD ALFAHD Contracting Company IN KSA

- **BANK ALBILAD HALL Branch SHOP DRAWING WITH ASD IN KSA.**
- **KODO OFFICE SHOP DRAWING WITH ASD IN KSA.**
- **SHOP DRAWING WITH ASD IN KSA.**
- **ALRAJHI BANK IN KSA.**
- **PRINCE SULTAN UNIVERSITY IN KSA.**
- **ZAWAYA MALL .**

10/2021 - 12/2023 Technical office Engineer

Al Tabarak For Engineering & Contracting

- **GREEN HOUSE SHOP
DRAWING IN EGYPT .**
- **WADI EL-NATRUN PRISON AND
10th OF RAMADAN SHOP
DRAWING DOORS AND
WINDOWS WITH TEKLA IN
EGYPT.**
- **El Sheikh Zayed Mall**
- **24 buildings in altajamue alkhamis**
- **El-Obour Hospital**
- **Al Waha Mall**

01/2021 - 10/2021 SHOP DRAWING WITH ASD

ATCO OFFICE

06/2020 - 08/2020 Site Engineer
Trainee at ICOSAT

06/2019 - 08/2019 Civil engineer preparation
Trainee at Ministry of Housing and
Urban
Communities

PROJECTS FREELANCER :-

- AL-SAEED CENTER MODELING WITH REVIT AND SHOP DRAWING WITH ASD IN KSA.
- SOME OF PETROL AND GAS STATION SHOP DRAWING WITH ASD IN KSA.
- VILLA SHOP DRAWING WITH ASD IN KSA.
- BANK ALBILAD Al-Shifa Branch SHOP DRAWING WITH ASD IN KSA.
- BANK ALBILAD DATA CENTER Quantity Survey IN KSA.
- GOLD MALL DESIGN IN KSA.
- JABAL AL-MAYSARA DESING IN KSA.
- MASAR -1 ZONE 1 BUILDING PLOTS 1BN-02 , 1BS-02 , 1BN-03 , 1BS-03 , 1BN-04 , 1BS-04 , BRT&SERVICE BUILDING .
- MADINAH ENTERTAINMENT COMPLEX (5 BUILDING) .

Education

09/2016 - 01/2021

Higher Technological Institute (HTI) , 6th of October Branch

Grade: Excellent with gpa 3.63 - 1st of the class

Graduation project: Project Management

Graduation project grade: Excellent Software
proficiency

- ☐ Revit
- ☐ Navisworks
- ☐ Dynamo
- ☐ Rhino
- ☐ Tekla
- ☐ Solibri
- ☐ AutoCAD

- ☐ Autodesk point cloud
- ☐ Enscape
- ☐ Twinmotion
- ☐ Lumion
- ☐ Grasshopper
- ☐ ASD (AutoCAD Structural detailing)
- ☐ Primavera
- ☐ Microsoft Office (Word – Excel – PowerPoint)
- ☐ Synchro pro

Certificates

- ✦ BIM Manager diploma | Niqat global | October2023 - Ongoing
 - Topics: BIM Management, open BIM, ISO19650 , BIM coordination , BIM dimensions (3D,4D,5D,6D,7D) – BIM software (Revit,Navisworks,Dynamo,Grasshopper,programming)

Language

- ☐ Arabic: Native
- ☐ English: Very good (CEFR: B2/C1)

References

Available upon request