



LinkedIn

Mohamed Mahmoud

Structural Engineer



E-mail : moh7med02@gmail.com



Phone : (+966) 544727537



Address : Riyadh, KSA.



LinkedIn : [Mohamed Mahmoud | LinkedIn](#)

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills & abilities in Structure Design or BIM Technology

EDUCATION

Jun.2016 – Jun.2021 **Bachelor of Civil Engineering**

Misr Higher Institute for Engineering and Technology

- Cumulative Grade: Excellent (91%) 1ST on the batch

Graduation Project: Steel Structure

- Graduation Project: Excellent



WORK AND TRAINING EXPERIENCE

Nov.2023 –Now **Structural Engineer –Al Yamama Company for Trading & Contracting**

Job Tasks and Responsibilities:

- Preparation of Technical Transmittals (Shop Drawings, Technical Query, Design Calculations, etc.)
- Reviewing of Project Specifications, IFC drawings, BOQ.
- Liaise with Architects, MEP Engineers for preparation of shop drawings
- Analysis and Design of reinforced concrete structures and steel structures.

Some Projects:

- 1- Al-Urubah Park, Riyadh, KSA



IDOM

Nov.2021 – Oct .2023 **Structural Engineer – WES Engineering Consultants**

Job Tasks and Responsibilities:

- Analysis and Design of reinforced concrete structures and steel structures (PEP).
- Design all structure elements according to Egyptian & American codes.
- Prepare shop drawings for concrete elements (Slabs, beams, columns, footing, pile caps, etc.)
- Make a full study for existing concrete buildings and write structure safety reports.
- Prepare strengthening plans and details for unsafe structure concrete elements.
- Make bill of quantities and specifications for projects.
- Review structural engineering designs provided by others.
- 3D Modeling, Coordination with different discipline

Some Projects Co-Designed:

1. SEWS New Factory, 10th of Ramadan (steel project), Egypt
2. AL HAMRA EXIT 15 (Saudi Entertainment Ventures (steel project), Saudi Arabia
3. Belle View Project (Structure Design Villa at Zayed City for Emaar), Egypt
4. GOLF PLAZA (Steel Project Villa for Emaar) (steel project), Egypt
5. SAGAGA BOAT (steel project), Egypt
6. Bayda The Creative City (Villas and Towers), Egypt



SITE TRAINING

Jun.2020 –Nov.2020 Site Engineer – Educational Building Authority

- Foundation Works (Excavation-piles –Raft).
- Follow up concrete works and finishing works.



Aus.2019 –Sep.2019 Site Engineer – Alaela company

- Foundation Works (Excavation-piles –Raft).
- Follow up concrete works and finishing works.

Jul.2018 – Oct.2018 Site Engineer – Educational Building Authority

- Follow up concrete works and finishing works.
- Quantity surveying of items and make a shop drawing Making invoices



TECHNICAL COURSES AND CERTIFICATES

Jul.2021 – Sep.2021 Technical Office Engineer, Self-Study

Focused on applying Planning Methodology to achieve full deliverables

- Shop drawing for concrete and steel
- Bill of Quantities for Civil and Arch
- Other technical office work

Sep.2020 – Nov2020 Structure BIM Engineer – KAITECH ACADEMY

Focused on applying BIM Methodology to achieve full deliverables

- 3D modeling, families, coordination, shop drawings.
- BOQ, MTO, and Construction simulation (4D & 5D).
- BIM execution plan (BXP) and EIR
- Dynamo scripts for Generative design and facility management
- Main Project: Office Building "SIAC Company"



Jun.2020 – Oct.2020 Structural Engineer – ECG – UTW 12

Focused on applying Design Methodology to achieve full deliverables

- Design for wind and earthquake.
- Design of concrete element (slabs, beam, column, frames)
- Design of Foundation element (isolated, combine, Strap, RW, Raft, Raft over pile)
- Shop Drawing
- Introduction to Steel Design
- Main Project: Hospital at Nasr City "Area=25000 mm²"



Other courses from LinkedIn, coursera, Udemy and Lynda

TECHNICAL SOFTWARE

BIM Tools

- Autodesk Revit.
- Autodesk Navisworks.
- Autodesk AutoCAD.
- Autodesk BIM360.
- Enscape.

Structural analysis

- SAP2000.
- ETABS.
- SAFE.
- CSI Column.
- Robot
- Idea Statica
- Prokon

Others

- Primavera
- EGO5
- Cut Optimization
- ASD
- Wallap
- Slide

Development

- Dynamo.

All Certificates at this link: <https://2u.pw/UmoQu>