

# MAHMOUD MUHAMMAD MOATAZ MAHMOUD

## PERSONAL INFORMATION

📍 Jeddah (Saudi Arabia)  
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Gender: Male  
Date of birth: 30/06/1996  
Nationality: Egyptian

## OBJECTIVE

A senior civil technical office engineer who hopes to achieve high career growth through a continuous process of learning and working in the infrastructure and construction field.  
With 6 years of experience in technical office works I have passion for optimizing project workflows and delivering superior outcomes.

## EDUCATION

### **Bachelor of Civil Engineering, 2019**

– Grade Achieved: Very good with honor.  
Minya university,(Egypt)

Graduation project: Design of reinforced concrete structures  
– Grade Achieved: Excellent.

## WORK EXPERIENCE

- **Technical Office Engineer III at Al-Rawaf Contracting.** (Saudi Arabia)  
from: 10-2024, to: Present.  
- Western Sector Projects (Head Office)  
Key Responsibilities & Projects:
  - **Eywan El-Ghroub Project (Mandinah):** Carried out full structural design and shop drawings for a residential villa project consisting of 254 villas across 3 different types.
  - **Al-Saddan Project (Jeddah):** Participated in the structural design and shop drawings for 609 villas covering multiple design stages and coordination tasks.
  - **The 3rd Industrial City of Jeddah Infrastructure Development Project:** Performed quantity take-offs and shop drawings for various work items.  
And contributed to the preparation of shop drawings for stormwater drainage networks, including pipes, manholes, and open channels, using AutoCAD Civil 3D and InfraWizard.
  - **Obhur Project (Jeddah):** Developed structural design for storm manholes, ensuring compliance with SBC standards and site-specific requirements.

- Involved in a wide range of technical office tasks, including:
  - Project planning and scheduling.
  - Coordination with other disciplines.
  - Preparation and review of technical drawings, specifications, and plans for all projects.
  - Support the design and planning phases of the project, ensuring adherence to industry standards and regulatory requirements.
  - Coordinate with consultants, architects, and other engineers to finalize project design and detail.

## ■ **Infrastructure Technical Office Engineer at Hassan Allam Holding. -INTECH. (Egypt )**

from: 1-2022, to: 10-2024.

### Key Responsibilities & Projects:

#### • **Wastewater Treatment Plant of El Sheikh Shabika, Mallawi- Minya (Capacity: 40,000/70,000 m<sup>3</sup>/day):**

I was involved from the very beginning, covering:

- Soil investigation and geotechnical boreholes.
- Surveying and topographic works.
- Earthworks and site grading.
- Preparation of shopdrawings for most of structures and tanks.
- QS of all structures elements and site works in general.
- On-site supervision of structural construction and implementation phases.

#### • **Sewer Networks, Force Mains, and Pumping Stations - Villages of Tuna El-Gebel, Al-Mahras, Beni Hafath, and Al-Sawahja:**

I have worked on the implementation and supervision of the following:

- Approx. 80 km of gravity sewer networks ( UPVC & GRP Pipe lines and All types of cast in situ Manholes with respect of egyptian code of practise).
- Approx. 15 km of HDPE force mains.
- 4 sewage pumping stations including structural works and all related utility buildings.
- Involved in shop drawing preparation, site coordination, and quality control using Civil 3D, Revit, and ASD.
- QS works.

## ■ **Freelancer Structural Design Engineer.**

from: 7-2019, to: present

- -Designed over 50 villas across Egypt and Saudi Arabia, along with multiple residential buildings, commercial malls, hospitals, mosques, and governmental and service buildings.
- Specialized in structural design of reinforced concrete structures, ensuring safety, efficiency, and code compliance.

■ **Infrastructure Technical Office Engineer at AMAC for general contracting.**(Egypt)

from: 7-2020, to: 1-2022

Key Responsibilities & Projects:

• **Sanitary Sewer Projects - Villages of Kadwan, Saft, Bahdal, and Demsher:**

- Supervision and execution of gravity sewer networks and force mains.
- Overseeing the construction of sewage pumping stations and associated infrastructure.
- Preparation of shop drawings for pipelines and structures using Civil 3D, Revit, and ASD.
- Performing quantity take-offs and BOQ estimations.
- Preparing client invoices and subcontractors invoices.
- Monitoring project progress and ensuring technical compliance with design specs.

■ **Structural Shop drawings and Design Engineer at IMAGE Consulting Engineering Bureau.** (Egypt)

from:7-2020, to: 12-2020 (working from home as a freelancer)

from:10-2019, to: 7-2020 (full-time)

Key Responsibilities & Projects:

- Making STR Designs and shop drawings for several structures

## INTERNSHIPS

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■ **Internship Trainee at Mountain view hyde park, New Cairo. – ACE PROJECT MANGEMENT (MOHARRAM BAKHOUM).**

from:1-8-2018, to:31-8-2018

■ **Internship Trainee at El-Minya Faculty of veterinary med. Buildings. –Minya University Administration of Engineering Affairs.**

from:4-7-2018, to:31-7-2018

■ **Internship Trainee at Abu Qurqas water station- El-Minya. – The Arab Contractors (Osman Ahmed Osman Co.)**

from:2-8-2017,to:1-9-2017

## ACTIVITIES

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### **Volunteer at ICE -institution of civil engineers-** Minya university (student branch)

from: 2017,to: 2019

-Position: head of translation committee.

## TECHNICAL SKILLS

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- Infrastructure projects works.
  - Execution works of sewer lines, manholes, lift stations and waste water treatment plants.
  - Technical office responsibilities of sewer, potable water, irrigation, stormwater, chambers and staions works.
- Technical office works:
  - Tendering, Quantity surveying, Pricing, Invoices and Shop drawings.
  - Sewer pipelines shop drawings.
  - Cost estimation basics.
- Structural design works:
  - STR Design of residential buildings, villas, malls, administration buildings, hospitals, factories and mosques.
- Execution works:
  - Concrete and finishing works: I've supervised activities at residential villas.
  - Infrastructure works: I've supervised activities at a sewerage networks and wwtp.

## TECHNICAL SOFTWARES

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- AutoCAD
- Revit Structure
- Civil 3D
- InfraWizard
- CSI SAP 2000
- CSI SAFE
- CSI ETABS
- SP COL.
- ASD –AutoCAD Structural Detailing
- AutoRebar
- Cutting Optimization

## PERSONAL SKILLS

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- Planning ability and self-motivation
- Decision-making skill
- Math-minded
- Leadership skills
- Problem solving skills
- Critical thinking and evaluation abilities

Mother tongue  
Other language

Arabic  
English(Very good)