

Holds a B. Sc. in Civil Engineering and has about 5 years experience working as Hydrology Engineer at several projects.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 28/12/1992  
Gender : Male  
Residence : Giza, Cairo

## **EDUCATION**

: B. Sc. in Civil Engineering, Cairo University, 2016

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD  
: WMS  
: Culvert Master  
: Civil 3D  
: Hyfran  
: Hydraulic Toolbox  
: SewerGems  
: ArcMap, ArcGIS Pro and QGIS  
: Global Mapper  
: Flow Master  
: UiPath  
: HEC-HMS  
: HEC-RAS

## **TRAINING COURSES AND CERTIFICATIONS**

: Training at Farouk Abd El-Wahab Company (Aug. 2016).  
: Training at DETAC Company (Aug. 2015).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2021 till now  
**Employer** : Julfar Consultancy Services  
**Job title** : Hydrology Engineer  
**Job Description** : For RAS Al Khaimah Government Municipality, United Arab Emirates:

- Preparing Hydrological studies for North of Ras Al Khaimah Emirate.
- Zones A-B-C-D-E-F Infrastructure Design Project.
- Main tasks:
  - Validating Master Plan and preparing comments registry and clashes analysis reports.
  - Coordination and working with the whole project disciplines (Roads, Wet Utilities, Dry Utilities, Planning, Geotechnical and Structural teams) to build up integrated design.
  - Preparing calculations sheets for protection assets.
  - Preparing meteorological and morphological studies.
  - Building hydrologic models.
  - Developing basis of design, preliminary and detailed design reports.
  - Preparing detailed design drawings and BOQ for North Ras Al Khaimah flood mitigation assets (Ponds Grading, Dikes, Channels and Culverts).

**Dates** : From Feb. 2021 till now  
**Job title** : Hydrology Engineer (Freelancer)  
**Job Description** : For Riyadh Municipality and Eastern Region Municipality:

- Preparing Hydrological studies for:
  - Al Bid'a petrol station (Kharj).
  - Bandar Dayekh El-Eteibi land (Afif).
  - Madi Al-Matiri land (Al Majma'ah).
  - Saleh Al Refe' land (Wadi ad-Dawasir).
  - Khaled Ben Nayef Alsdiri fire station (Al Ghat).
  - Abdullah Al Askar land (Al Aziziah).
  - Lands 1, 2, 3, 4, 5, 6, 7 (Dammam).
  - Al-Rashid Company 83 B, 94 B lands (Dammam).
  - Fahid Al-Qahtani land (Jilah).
  - Al-Mehilab company land no.50 (Al Aziziah).
  - 56 B land (Dammam).
  - Mohamed Ben Mubarak Al-Nohdi land (Dammam).
  - Evaluating King Abdul Aziz Road Culverts (Ar Rayn).
  - Saud Al-Kathiri land (Afif).
  - Saad Al-Ghunaim land (Ad-Dilam).
  - Abdulrahman Ben Nafisa land (Dhurma).
  - Mohamed Abd El-Wase' land (Al Aziziah).
  - Lands 3/18, 6/18, 7/18 (Dammam).
  - Heif Ben Ghelighm sons land (Ar Rayn).
  - Al Hayathem charity land (Al Hayathem).
  - AbulRahman Al-Ghmlath land (Ad-Dilam).
  - Hesham Al-Mousa land (Kharj).
  - Khaled Al-Shneibr land (Huraymila).

- Koranic school land (Afif).
- Mubarak Al-Suwaiket land (Dammam).
- Main tasks:
  - Data collection.
  - Site location and description.
  - Topographic study analyzing digital elevation model for watersheds delineation.
  - Defining curve number using land use maps and soil maps.
  - Preparing meteorological studies and rainfall frequency analysis.
  - Hydrologic modeling using HEC-HMS and hydraulic modeling using HEC-RAS.
  - Evaluating existing protection works and proposing solutions for flood mitigation (Channels, Culverts, Ponds, Dams, Dikes, Bridges, Irish Crossings, etc.).
  - Preparing georeferenced maps using GIS tools.
  - Preparing calculation sheets, study reports and detailed drawings packages.

**Dates** : From Oct. 2019 till Jan. 2021

**Employer** : TAMCON Engineering

**Job title** : Hydrology Engineer

**Job Description** : For Bahrain Ministry of Works, Municipalities Affairs and Urban Planning:

- Storm Water Network Design for Al Janabiya and Budaiya Highways (KEO International):
  - Preparing morphological studies and Flow calculations.
  - Designing stormwater network for highways drainage.

For Dubai Municipality, Drainage Projects Department:

- Interconnecting Urgent Developments to DM Sewerage System–DS 208 (ITALCONSULT):
  - Initiation and planning for C246, Deira and Bur Dubai.
  - Population Estimate.
  - Flow calculation validation.

For KSA Ministry of Municipal and Rural Affairs (MOMRA):

- Preparing inclusive flood protection studies for Riyadh suburbs (over 2050 suburbs):
  - Preparing georeferenced figures.
  - Preparing morphological and metrological studies.
  - Preparing technical risk analysis reports for Riyadh suburbs.
- Preparing Hydrological studies for:
  - Rehabilitation of storm drainage for Imam Ali & Riyadh roads (Qatif Municipality).
  - Citizen Abdullah Farag El-Yami scheme (Thajr Thar, Najran).
  - The Land of warehouses, scheme number 578 (Sajir, Riyadh).
  - Governmental lands in Khuff center, scheme number 514 (Sajir, Riyadh).
  - Butchery site in Usaylah, scheme number 685 (Sajir, Riyadh).
  - Governmental lands in north of Khuff center, scheme number 528 (Sajir, Riyadh).

- Governmental lands in Maghib, scheme number 556 (Sajir, Riyadh).
- Governmental Scheme in Althleeme (Kharj, Riyadh).
- Land grant site number 1 (Kharj, Riyadh).
- Land grant site number 2 (Kharj, Riyadh).

For Egyptian Ministry of Housing, Utilities & Urban Communities:

- Flood Mitigation for 15th May City and the Northern and the Eastern Extensions:
  - Site visit.
  - Preparing morphological and metrological studies.
  - Preparing flood protection systems with different alternatives.
  - Preparing georeferenced figures.
  - Preparing BOQ.
- Hydrological Studies and Detailed Design of the flood Mitigation for Luxor - Edfu - Marsa Alam Highway (130 km):
  - Preparing flood protection system.
  - Preparing BOQ.
- Hydrology and Storm Drainage Works for Asiat Supercritical Power Station (ORASCOM).

**Dates** : From Dec. 2017 till Oct. 2019

**Employer** : EnTrans Consulting

**Job title** : Hydrology Engineer

**Job Description** : For General Authority for Roads, Bridges and Land Transport (GARBLT):

- Upgrading the Coastal Road in Safaga – Al Quseir, Egypt (20 km).
- Emergency and Urgent Maintenance Work for Nuweiba – Dahab & Dahab – Sharm El-Sheikh Highways, Sinai, Egypt.
- Upgrading a sector in Zaafarana – Ras Ghareb Highway, Egypt (51 km).
- Upgrading a sector in Branes - Al-Shalateen Highway, Egypt (55 km).
- Upgrading a sector in Al-Shalateen - Abu Ramad Highway, Egypt (130 km).
- Cairo Assiut Western Road, Egypt (Seventh Sector 40 km).
- Constructing a sector in Safaga - Marsa Alam Highway, Egypt (Second Sector B-14 km).
- Constructing a sector in Safaga - Marsa Alam Highway, Egypt (Second Sector A-36 km).
- Constructing a sector in Safaga - Marsa Alam Highway, Egypt (First Sector-34 km).

Main Tasks:

- Preparing hydrology studies:
  - Watershed delineation and defining catchments characteristics.
  - Hydrological modeling and flow calculations.
  - Proposing alternative solutions for protections assets.
  - Preparing design reports with drawings packages, calculation sheets and BOQ.
- Preparing geology studies:
  - Geology profiles.
  - Defining replacement regions.
- Road design:

- Checking survey works.
- Road layouts and profiles design.
- Computing cut and fill quantities.
- Site Visits.