

Personal Information:

Name : Mohammed Ibrahim Omer Ibrahim
Nationality : Sudanese.
Date of Birth : 1991.
Address :
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About:

Specialist Water Resources Engineer, focusing on Integrated Water Resources Management, Flood and Coastal Erosion Risk Assessment and Transboundary Water Management, and interested on Water, Food and Energy (Nexus) and Water Diplomacy.

Qualifications/Education:

- 2022 - 2023: **Diploma** course on Hydraulic Engineering in River Basin - Hydraulics Research institute - Egypt.
- 2017 - 2019: **M.Sc.** in Business Administration - University of Kassala – Sudan.
- 2009 - 2014: **B.Sc.** (Honors) in Civil Engineering - Specialized in Water Resources Engineering - Faculty of Engineering - University of Khartoum – Sudan.

Work Experiences:

- Oct/2019 – Current: **PM-Assistant** - Tokar project, Ministry of Water Resource & Irrigation.

Responsibilities:

- Monitoring & evaluation of the Tokar river as a water resource for Irrigation & agriculture.
- Conducting situational analysis along flood season and preparing annual reports.
- Coordination and communicating with stakeholders.
- Contributing to the planning and development of Tokar project.
- Support operation departments and monitoring project progress.

- Sep/2018 – Current: **Co-Founder/Projects Manager** – Sarrh for Engineering.

Responsibilities:

- Develop project plans, timelines, and budgets.
- Ensure timely completion of project phases.
- Identify strategies to minimize project risks and resolve project-related challenges.

- Jul/2017 – Dec/2022: **Supervisor engineer** - Gash River Project, Ministry of Water Resource & Irrigation.

Responsibilities:

- Collecting of Gash river data from monitor station.
- Updating ministry of irrigation & water resources database.
- Conducting situational analysis and forecasting studies for flood early warning.
- Preparing annual flood season report.
- Supervising the maintenance of gash river banks.

- Mar/2017 – June/2017: **Civil Engineer** – Faisal Company.

Responsibilities:

- Interpretation and analyze of drawing
- Supervision of construction work and scheduling materials

- Jan/2015 – Dec/2015: **Site Engineer** - Danfudio Contracting Company.

Responsibilities:

- Supervising multi-disciplinary labors and allotting their work

- Jan/2015 – Oct/2016: **Teaching assistant** - Faculty of Engineering, University of Khartoum.

Projects & Achievements:

- **Integrated Water Resources Management** in Gash River Basin. In this project a process is developed to promotes the coordinated development and management of water, land and related resources in order to maximize economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems and environment. Such as:
 - Transboundary Water issues between Sudan and Eritria on shared water management and cooperation opportunities.
 - Application of Water diplomacy techniques to resolve water conflicts between different stakeholders.
 - Developing water policies and governances in order to improve water management of Gash River Basin and to insure enhancement of livelihoods.
- Supervisor Engineer – Gash River Training Unit focused on **conflict resolution between farmers on irrigation water, and between different users**. The rise of farmer conflict is more pernicious since it is often amplified by the emotionally potent issues of ethnicity, religion, culture, and land.

Languages:

- Arabic (mother tongue).
- English (Excellent).

Hard & Soft Skills:

- Excellent skills in Microsoft office (Word, Excel, PowerPoint and Outlook).
- Data analysis using excel sheet formulas and charts.
- Skills in using GIS software for mapping, analyzing and managing data related to water resources.
- Proficiency in the use of drawing software AutoCAD.
- Ability to estimate cost and prepare BoQ and reports.
- Mastering general computer software & programming language.
- Skilled in surveying techniques and instruments (levels, GPS, google earth).
- Strong and good skills in design of irrigation network, flood forecasting, hydrological data analysis.
- Ability to control and manage dam & reservoir operation via computer modeling and crop water requirement.
- Ability to manage projects effectively, including planning, scheduling, resource allocation, and risk management.
- Good skills using Artificial intelligence system in modelling and forecasting.
- Good skills in Map window engineering software.

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Signature

- Good skills using modelling engineering software (delft-3d and SOBEK).
- Analytical thinking and problems-solver.
- Possess good presentation, leadership and communication skills.

Professional Courses:

- Make Time for Meaningful Work (online) – May/2024.
- Water for Environmental Sustainability and Climate Resilience in the Nile Basin, The Sudan national discourse forum (SNDF). Khartoum, Sudan – Dec/2021.
- English Language Advances for Engineers – Dec/2019.
- Advances Computer skills – Dec/2019.
- Advanced Training in Irrigation and Drainage Engineering, Ministry of Water Resources & Irrigation- Wad-madani, Sudan. Aug/2019.
- Basics of Irrigation Engineering, Ministry of Water Resources & Irrigation – Wad-madani, Sudan. May/2018.
- Autodesk AutoCAD, Khartoum, Sudan - 2015.

Membership:

- Sudan Engineering Society – Full Member.
- The Sudan National Discourse Forum (SNDF) – Member.
- The World Youth Parliament for Water (WYPW) – Member.
- African Young Professional - The International Commission on Irrigation and Drainage (ICID) – Coordinator.

Publications:

- Water-Based Projects and Sustainable Development – Scientific paper – 2022.
- Technical Annual Flood Report, Gash River Training Unit, Ministry of Irrigation & Water Resource - 2020.
- Technical Annual Flood Report, Tokar Project, Ministry of Irrigation & Water Resource - 2019.

References:

- Dr. Modathir Abdalla Hassan Zaroug – Regional Water Resources Modeller - Nile Basin Initiative Secretariat.

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- Dr. Ahmed Elsiddig Hayaty – Water Research Centre - University of Khartoum.

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- End. Saied Magzoub – Ministry of Irrigation & Water Resources.

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