



MOHAMED HASSAN MAHGOUB MERGANI

GEOLOGIST

Riyadh, Saudi Arabia
Geo.mmergani1@gmail.com
Geo.mmahgoubb@gmail.com
Mobile +966532097158

SUMMARY

I Have Good Geological and Hydrological Experience For More Than 5 Years With Strong Knowledge and Practices and Preparing Reports . I Have Been Involved in Wide Range of Projects. My Expertise Include But Not Limit To Hydrological Studies Reports For Various Projects Such as Master Plans, Roads, Culverts, Bridges, and Flood Risk Studies. Which Includes Watershed Delineation, Rainfall Analysis, Hydrological Modeling, Hydrological Simulation, Design and Analyze Protection Structures Such as Channels, Culverts, Bridges. and Storm Drainage Networks. My Expertise Also Include Geotechnical Investigation Which Include Samples Labeling and Description, Boreholes Logs, Settlement Calculations, Bearing Capacity Calculations, Geotechnical Reports. Iam a Good User of Hydrological and Engineering Softwares Such as WMS, HEC-HMS, HEC-RAS, ARCGIS, HYFRANPLUS, SEWERGEMS, PONDPACK, GLOBALMAPPER, AUTOCAD, CIVIL 3D, GEOSYSTEM, GOOGLE EARTH, CULVERTMASTER, HY-8 . Good Knowledge of Regulations and Standards in Saudi Arabia Such as SGS And MOMRA. Iam Looking For a Job in The Field of Hydrological Studies and Geotechnical Investigation Where I can Apply My Knowledge and Experience For The Company Success .

EDUCATION

Bachelor Degree With Honors in Geology

Dec 2016

AL Neelain University - Faculty of Petroleum And Minerals

SKILLS

- Data Collection
- Data Analysis
- Data Preparing
- Leadership Skills
- Interpersonal Skills
- Preparing Reports
- Time Management
- Field Work

EXPERIENCES

Abdulrahman Alghous Engineering Consultancy – Geologist

Jun 2022 – Feb 2023

Taif – Saudi Arabia

Preparing And Reviewing Hydrological Studies Reports According To MOMRA and SGS Standards.

Advanced Construction Technology Services – Geologist

Jan 2022 – Mar 2022

Neom – Saudi Arabia

- Full Description of Rocks and Soil Samples
- Carry out Safety Procedures and Save Inspection

- Create Draft Logs For Boreholes
- Creating Daily and Monthly Reports

Maskifisho For Contracting And Investment – Site Geologist
Khartoum – Sudan

Mar 2017 – Apr 2021

- Field Visits To Sites To Studying and Determining The Streams, Cross Sections, Manning Values and Analyze of Current protection Structures And Storm Drainage Network.
- Full Description of Rocks and Soil Samples
- Supervising The Drilling Work in The Site
- Determine The Required Tests For The Samples and Receive The Results
- Creating The Boreholes Logs
- Preparing Reports

Central Laboratory For Technical Services – Lab Technican
Khartoum - Sudan

Mar 2020 – Apr 2020

About Atomic Absorption Spectrometry (AAS) and XRF To Estimate The Analysis both Qualitative and Quantitative of Chemical Elements in the Samples By Using Flame and Furnace To Estimate the Chemical Elements in The Samples and Estimating the Quantity of the Elements.

SOFTWARES SKILLS

- | | | |
|--------------|-----------------|--------------------|
| • WMS | • HEC HMS | • CIVIL 3D |
| • ARC GIS | • HEC RAS | • GLOBAL MAPPER |
| • HYFRANPLUS | • AUTOCAD | • GEOSYSTEM |
| • SEWERGEMS | • GOOGLE EARTH | • MICROSOFT OFFICE |
| • PONDPACK | • CULVERTMASTER | • HY- 8 |
| • STORMCAD | • INFRAWIZARD | |

COURSES & CERTIFICATIONS

Design Storm System – Bim And Engineering Academy
Online Course

Oct 2025 – Nov 2025

An Online Course Offering Foundation Understanding of Stormwater Management Using StormCad, Including Software Navigation, Hydraulic Model Creation, Analysis Techniques, And Scenarios Comparison.

Hydrology Diploma – Engosoft Training Center
Riyadh – Saudi Arabia

Jun 2022 – Feb 2023

An Online Training Theory and Practical About Hydrology And Design of Protection Structures and Storm Drainage Networks With Focus on Saudi Arabia Market.

<p>English Language Course – RichMinds Center For Training and Languages Khartoum - Sudan An Online English Language Course</p>	Oct 2020 – Jan 2021
<p>Geotechnical Investigation – Mr.Safety For Training Center Khartoum – Sudan 30 Hours Training Theory and Practical About Geotechnical Investigations</p>	Jun 2021
<p>Crisis and Disaster Management – GeoSoft For Mining Services Khartoum – Sudan 6 Hours Online Training About Crisis and Disaster Management</p>	May 2021
<p>Applied Geophysical Electrical Methods – Mr.Safety For Training Center Khartoum – Sudan 20 Hours Training Theory and Practical About Electrical Geophysical Methods</p>	Jun 2021
<p>Crush Course in Gold Processing – Mr.Safety For Training Center Khartoum – Sudan 20 Hours Training About Gold Processing</p>	Jun 2021
<p>Excel Skills For Business – Coursera Platform An Online Course About Microsoft Office Excel Through Coursera Platform</p>	May 2019
<p>Write Professional Emails in English – Coursera Platform An Online Course About Writing Formal Emails in English Language Through Coursera Platform</p>	Oct 2019