

HATEM ELSSAYED

Senior Geophysicist and Reservoir Modler

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PERSONAL INFORMATION

Nationality:
Egyptian

Languages:
English, Arabic

Marital Status:
Single

Key Competences:

- Interpersonal Skills
- Communication

Skills

- Quality Control
- General Manager Responsibility
- Strategic Planning
- Relationship Building
- Analytical Skills
- Customer Services
- Profit Contribution
- New Business Development
- Staff Management
- Teaching skills
- Computer Skills

EDUCATION

2008

Master of Science in
Geophysics, Western
Michigan University,
USA

2002

Post Graduate
Diploma in
Earthquake
seismology , IZIS
Institute, Skopje,
North Macedonia

1995

Bachelor of Science in
Applied Geology,

Career Summary

Dedicated and detail-oriented Petroleum Geophysicist with more than 10 years of experience in seismic data interpretation, reservoir characterization, and project management. Proven track record of utilizing advanced geophysical techniques to support exploration and production initiatives.

PROFESSIONAL EXPERIENCE AND WORK HISTORY:

Petroleum Geophysicist, 09/2024 till now

HE Geophysical Solutions CO. – Abu Dhabi, United Arab of Emirates

- Conduct detailed seismic data analysis and interpretation to support hydrocarbon exploration.
- Collaborate with geologists and engineers to determine reservoir characteristics and potential.
- Develop and implement geophysical models to optimize drilling locations and completion strategies.
- Utilize seismic inversion techniques to enhance the understanding of subsurface structures.

Project Manager, 12/2022 till 7/2024

IESCO Integrating Earth Solution Co. -Cairo, Egypt

- **Managed 6-line phone system to answer, screen, and forward calls Provided customer service excellence by answering questions, resolving issues, and scheduling appointments**
- **Supervised 5-person office, directing customers to their assigned tax preparer and ensuring completion of required documentation**
- **Organized payment and recorded receipts for services for customers and tax preparers**
- **Consulting, leading and managing various projects in all stages till closing end**
- **Operating and designing the seismic projects and petrophysical studies**
- **Quality control planning and reservoir characterization**
- **GPR specialist and concrete scanner surveyor**
- **Communicating with contractors and stakeholders**

Geotechnical Engineer, 11/2021 till 12/ 2022

ECB Engineering Consulting Co., Cairo, Egypt

- Serve as the first point of contact for walk-in customers seeking technical assistance
- Consulting, leading and managing various projects
- Operating and designing the GIS applications for urban **planning**
- Quality control planning
- Communicating with contractors and stakeholders
- Laboratory field test manager in El-Hamam Channel Project, Burg El-Arab, Alexandria
- Offer daily operations and systems support to users
- Properly escalating unresolved incidents to the next level of support
- Follow-up and update customer status and information
- Follow-up and update customer status and information
- Verify functionality of hardware and software components
- Administer and support network operations
- Coordinate and follow up resolution for open/pending incidents

Processing Manager, 01/2019 till 10/2021

AGMCO Geoengineering and Mining Consulting-Cairo, Egypt

- **Consulting, leading and managing various projects**
- **Marketing responsibilities for the company services**
- **Operating and designing the 3D magnetic Data and Processing tasks**
- **Conducting AGMCO internal regulations and safety of the processing unit**
- **Quality control planning**
- **Communicating with contractors and stakeholders**
- **Electromagnetic Surveying for the geotechnical purposes and absolute conductivity estimations**
- **Collecting geophysical data for gold prospecting and radioactive ore bodies**
- **Training employees on the various computer programmes**

Front Desk, 01/2014 to 09/2018

Carnegie Auto Car Wash – Cleveland, OH, USA

- **Managed the front office, greeted 60+ daily patients, and responded to requests for information and appointments**
- **Implemented 3 new procedures for prepping, storing, rotating, and stocking product**
- **Verified insurance information, collected copies, and informed 45+ daily clients of their financial obligations**
- **Collaborated with the team to troubleshoot and find solutions**
- **Inventory related to chemical products and their hazardous code.**
- **Digital marketing for the car care services and follow up with customers**
- **Customer services representative**

Geophysicist, 01/2013 to 12/2013

Custom – OH

- Prepared accurate reports and performed efficient processing of all seismic areas.
- Performed detailed calculations to establish manufacturing, construction, and installation standards and specifications, maintaining 100% accuracy rate.
- Prepared specifications of electrical systems and topographical maps to ensure that installation and operations conformed to standards and customer requirements.
- Performed data analysis and provided recommendations to achieve old utility depth and geometry.
- Prepared maps and interpretations for all seismic data and performed regular analysis of data.
- Created design layouts and part drawings using orthographic 3rd angle projection.
- Provided drafting support to a civil engineering staff.
- Coordinated with vendors, sales reps and machine shops for aid in project completion.
- Prepared plans and layouts for equipment or system arrangements and space allocation.
- Coordinated manufacturing, construction, installation and maintenance projects for engineering team to complete per customer requirements.
- Played key role in designing the hidden hole under sand-horse race track by GP radar that resulted in clearing the track from the harmful 25 holes of burrowing.

Customer Service Representative and Cashier, 08/2011 to 01/2012

Walmart – Parkersburg, USA, WV

- Responded to customer requests via telephone and email.
- Performed initial client assessment and analysis to begin research process.
- Supported Chief Operating Officer with daily operational functions.
- Achieved the best customer representative by a money raise and I was moved up to the next level job as a supervisor.
- Implemented marketing strategies which resulted in 12% growth of customer base.
- Verified data integrity and accuracy.

Teaching Assistant, 01/1997 to 12/2007

- Retained interest and maximized receptive learning by educating students utilizing hands-on instructional techniques.
- Supported classroom activities, including tutoring, grading homework and reviewing exams.
- Eliminated learning gaps and effectively instructed students on CPR and EMT practices by utilizing a wide variety of teaching aids and motivational strategies.
- Supported instructor with test administration, curriculum development and grading.
- I taught the following classes to the undergraduate levels from freshmen to senior students: Seismic Interpretation, Gravity Prospecting, Magnetic Exploration Methods, Seismology and Engineering Seismology, Mathematics for Geologists, Structural Geology, Geological Surveying, Physical Geology, Crystallography, Subsurface Mining Geology, Geological and Engineering Survey, Engineering Geology.
- I was a committee-coordinator of The 1st International Conference of Department of Earth Sciences, Helwan University, Helwan, Egypt, April, 2006.
- Performed administrative activities like taking attendance, grading assignments, and maintaining student records.
- Documented student attendance and progress against goals.

Part-time Geophysicist, 08/1994 to 01/1998

Marathon American Oil Company – Cairo, Greater Cairo

- Jointly interpreted 2D seismic and geologic data from both onshore and offshore areas of Egypt.
- Interpreted marine 2D seismic data in Abu Gharadig basin, Western Desert, Egypt. Delineated plays which were presented to management.
- Worked the Gulf of Suez en-echelon productive area with the intention of the company investing there. Plays developed but not pursued by the company.
- Interpreted and assessed several productive areas by the 3D technique (Solaris work station).
- I achieved the industrial experience and the application of super computers and modern programs in the Geological field study branch.

PROJECTS:

- Hydrocarbon reservoirs re-evaluation in Kahk-1 and Kahk-2 wells of Petrosela Co. , South Karoon Lake, Fayum, Egypt, 2022.
- Hatem joined the gold mining project of the Lotous Company in Egypt as a Project Coordinator in Um Samra Concession, Marsa Alam, Eastern Desert of Egypt, April 2022.
- Structural modeling and reservoir evaluations in Sitra-oil field, Abu Gharadig Basin, North Western Desert, project funded by Bader El-din oil company, 2022.
- Hatem conducted a complete magnetic survey study for gold prospecting in Shalatin area for United Group Company, April 2021.
- El-Hammam Channel Lining project in Burg El-Arab City, Alexandria for ECB company, Egypt, Nov. 2021.
- Back stripping assessment of the deep marine seismic shooting data near New Zealand costs, USA, 2010.
- Conducting near surface Gravity Survey for Western Michigan University, Kalamazoo, MI, USA, 2009.
- GPR survey for hole detecting in horse tracks, Michigan, USA, 2008.

CERTIFICATES:

- International Computer Driving License (ICDL)
- Engineering Seismology and Earthquake Engineering Certificate
- ArcGIS training Eseri, USA
- Oasis Montage User Training, Canada
- 3D seismic interpretation Training, Conoco Philip, Louisiana, USA
- Educational Development Workshop, Helwan University, Cairo

MEMBERSHIPS:

- **Member of the American Geophysical Union (AGU), 2008 till current**
- **Member of Society of Exploration Geophysics (SEG), 2008 till current**
- **Member of the American Association for Petroleum Geologists (AAPG), 2008 till current**
- **Member of the Egyptian Geological Society (EGS), 2000 till Current**

PUBLICATIONS:

- Mostafa, H. M., El-ssayed, H., and Mahmoud, S. (2023): Settlement Prediction Due to Diaphragm Walls Installation and at Heliopolis Metro Station in Cairo, Egypt. Engineering Research Journal, vol. (178), pp. (17-34).
- El-ssayed, H. (2018): The meaning function four-dimensional view procedural approach. Open journal of modern linguistics, v. (8), pp. (23-38) (patent).

- El-ssayed, H., et al. (2012): Re-Evaluation of Seismic Hazard of Syria. International Journal of Geosciences, USA, V. 3, pp. (847-855).
- El-ssayed, H., et al. (2002): Geophysical Interpretations for the Density Structures at the Northern Western Desert, Egypt. Master thesis, Helwan University, Cairo, Egypt

GRANTS AND FUNDS AWARDED:

- Grant about \$5,000 offered by the Netherland Government for studying graduate diploma in earthquake engineering and engineering seismology at IZIS institute in Macedonia.
- Scholarship grants about \$80,000 for completing a master in Earth Sciences in USA.

COMPUTER AND MATHEMATICS SKILLS:

- UNIX
- Windows (personal/Server)
- Linux
- DOS
- C/C++
- JAVA
- Assembly Language
- Basic
- Fortran
- Matlab
- ArcPro
- Petrel
- Oasis Montaje
- AutoCAD
- Neural Networking (NNW)
- SQL
- Linear Algebra and Linear Programming
- Differential Equations
- Topology
- Mathematical Analysis
- Advanced Calculus
- Numerical Analysis

REFERENCES

- Mr. Arthur Obiadzie, ezinwa87@yahoo.com, Houston, Tel. +6127097714 (USA).
- Prof. Amin Khalil, amin_khalil@science.helwan.edu.eg, Tel. 01025570679 (Egypt).
- Dr. Mahmoud Algzzar, gzzar2010@gmail.com, Tel. +14143064882 (USA).

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