



Assem Kamal Abdelmohsen, PMP®

OBJECTIVE

GIS Consultant/Analyst, for more than 14 years of experience , proficient in Enterprise GIS system management and support and development of multiple ArcGIS web applications, Geodata management, managing overall operations and optimizing organizational processes. Highly motivated, dependable, and demonstrates professionalism in handling various organizational functions. These skills and experience make for an exceptional team player focused on adding value to any enterprise.

EDUCATION

Jul 2008	INFORMATION TECHNOLOGY INSTITUTE (I.T.I) GIS Post-Graduate Diploma (Geographic Information Systems Diploma) The Egyptian Cabinet, Information and Decision Support Center	Cairo, Egypt
	<ul style="list-style-type: none">Grade: Excellent (First Rank).	
May 2007	EGYPTIAN AVIATION ACADEMY Bachelor's in Computer Science and Information Technology	Cairo, Egypt
	<ul style="list-style-type: none">Grade: Excellent with Honor (First Rank).Graduation Project Topic: e-Shopping using Mobile Technology.Graduation Project Grade: Excellent.	

EXPERIENCE

Jan 2013 – Present	ESRI SAUDI ARABIA GIS Consultant / GIS Training Manager (Certified Esri Trainer)	Riyadh, Saudi Arabia
	<ul style="list-style-type: none">GIS Consultation, Operation and Maintenance.Market Research and Business Development.GIS System Design and Configuration.Geodatabase Design, Modeling, Configuration and Tuning.Metadata Standards and Documentations.Esri Platform Advanced Installation and Configuration.Configuration and Development of Desktop and Web Applications based on ESRI SDKs/APIs.GIS Data Manipulation, Extraction, Transformation and Load (ETL).GIS Analysis, Modeling and Cartography.GIS Certified Training, Jumpstarts and Knowledge Transfer.Provide market research and business consulting as needed for upper management.Different System Integration with ESRI Technology.	

ESRI SAUDI ARABIA PROJECTS:

- ✓ **Ministry of Transport** Jul 2020 – Present
Role: GIS Team Leader / GIS Consultant
 - **Summary:** Consultation, system architecture and analysis, system integration and technical support of GIS web portal to manage the GIS workflow processes of the whole departments of ministry.





- **Technology and Software:** ArcGIS Desktop 10.7, ArcGIS Enterprise 10.7, Portal for ArcGIS 10.7, JavaScript API and Enterprise Geodatabases
- ✓ **Medina Water Authority** Sep 2019 – Mar 2021
Role: GIS Consultant, Certified Esri Trainer
 - **Summary:** Geodatabase Administration, Geometric network creation, system support, integration with SCADA system and certified training of GIS web portal to manage the workflow processes of the authority.
 - **Technology and Software:** ArcGIS Desktop 10.7, ArcGIS Enterprise 10.7, Portal for ArcGIS 10.7, JavaScript API, Enterprise Geodatabases, Geometric network and SCADA system.
- ✓ **Royal Saudi Air Force (RSAF)** June 2017– Nov 2019
Role: GIS Consultant, Certified Esri Trainer
 - **Summary:** Technical support and certified training of GIS web portal to manage the workflow process of airbases.
 - **Technology and Software:** ArcGIS Desktop 10.5, ArcGIS Enterprise 10.5, Portal for ArcGIS 10.5, JavaScript API, Enterprise Geodatabases.
- ✓ **Aramco** Oct 2018 – Dec 2016
Role: GIS Consultant
 - **Summary:** Team Capacity planning, development plans and system architecture, design and sizing for some of the major departments.
- ✓ **Nahdi Medical Company** Oct 2017 – Apr 2018
Role: GIS Consultant, Certified Esri Trainer
 - **Summary:** Development, system analysis and certified training of GIS to manage the delivery system fleet of the company in addition to support the geographical statistical analysis to enhance the efficiency and increase the profit.
 - **Technology and Software:** ArcGIS Desktop 10.5, ArcGIS Enterprise 10.5, Portal for ArcGIS 10.5, Enterprise Geodatabases.
- ✓ **Islamic Development Bank (IsDB)** Mar 2017– Mar 2018
Role: GIS Consultant/Senior Developer, Certified Esri Trainer
 - **Summary:**
 - System Design, architecture and sizing, development and deployment of GIS system for transportation, Communication and Trade sectors. Consultation to support Cooperation and Resource Mobilization Department (CRMD) railways maps and applications. Data collection and developing ISDB GIS system
 - Certified Esri Training to IsDB official/staff and regional partners of the bank to develop and enhance their GIS knowledge.
 - **Technology and Software:** ArcGIS Desktop 10.4.x, ArcGIS Server 10.4.x, JavaScript, ArcGIS Online and Story Maps.
- ✓ **General Directorate for Military Survey (GDMS)** Jan 2016 – Dec 2019
Role: GIS Consultant, Certified Esri Trainer





- **Summary:**
 - Development of GIS applications supporting GDMS spatial data infrastructure at all levels and departments.
 - Certified Training to develop and share the GIS knowledge to all GDMS staff.
- **Technology and Software:** ArcGIS Desktop 10.4, ArcGIS Server 10.4, Portal for ArcGIS 10.4, JavaScript API, Enterprise Geodatabase.
- ✓ **Aramco** Oct 2016 – Dec 2016
Role: GIS Consultant
 - **Summary:** GIS analysis for IKTVA system that is an integrated geostatistical tool to measure the quality of Saudi projects and measure Saudi manpower and materials used in each product.
 - **Technology and Software:** ArcGIS Desktop 10.5, ArcGIS Enterprise 10.5, Portal for ArcGIS 10.5, Enterprise Geodatabases, Tableau software
- ✓ **Saudi Network Information Center (NIC)** Dec 2015 – Mar 2016
Role: GIS Consultant, Certified Esri Trainer
 - **Summary:** Technical support and certified training of GIS technology.
 - **Technology and Software:** ArcGIS Desktop 10.5, ArcGIS Enterprise 10.5.
- ✓ **Supreme Food** Jan 2015 – Sep 2016
Role: GIS Developer
 - **Summary:** System Design, architecture and sizing. Development of GIS desktop application to manage the overall process of chicken hatcheries (Production, Transportation and Distribution).
 - **Technology and Software:** ArcGIS Desktop 10.3 custom Add-ins and C#.
- ✓ **Certified Training** Present
Role: Certified Esri Trainer (The only certified Esri trainer in Saudi Arabia)
 - **Summary:** Teaching and coaching more than 7000 students in all sectors.
 - **Clients:** UN, Islamic Development Bank (IsDB), Aramco, GDMS, GCS, RSAF, STC, Mobily, Zain, MOMRA, Municipalities, MOI, MoFA, NWC, SEC, SCTA, MoH, MoD, NIC, MoT, MCIT, KACST, KAUST, KAEC, ADA, Madinah Development Authority, Makkah Development Authority, Universities, multiple GCC and International Clients and Many private companies.
 - **Certified Courses:** All Esri standard courses and Custom GIS Courses.
 - **Technology and Software:** ArcGIS Desktop, ArcGIS Pro, ArcGIS Online, ArcGIS Server, ArcGIS Enterprise, Python, JavaScript, ArcGIS Mobile Apps, Enterprise Geodatabase conversion, migration, deployment and management, Cartography, ArcGIS Development API and SDK, Quality Control, Defense Mapping, Geospatial Intelligence mapping, Desktop development and Web development.





Jul 2020– Oct 2021

UNITED NATIONS (UN) - FREELANCE

Geneva, Switzerland

GIS Expert

- Establish International Transport Infrastructure Observatory Project using Esri Platform.
- Develop Web Application to display and analyze the Transport Infrastructure Networks.
- The Geodatabase Design and Modeling and Data Collection Form Templates.
- Customizing GIS Applications offering wide array of GIS based mapping and visualization functionalities.
- Presentation, Knowledge Transfer, Documentation and Training to all UN Member Countries for the project.

Mar 2011– Jan 2013

AL MOAMMAR INFORMATION SYSTEMS (MIS)

Riyadh, Saudi Arabia

GIS System Analyst, GIS Division

MIS is an exclusive distributor for ESRI Products in Saudi Arabia

- GIS Consultation, Operation and Maintenance.
- Market Research and Business Development.
- GIS System Design and Configuration.
- Geodatabase Design, Modeling, Configuration and Tuning.
- Metadata Standards and Documentations.
- Esri Platform Advanced Installation and Configuration.
- Configuration and Development of Desktop and Web Applications based on ESRI SDKs/APIs.
- GIS Data Manipulation, Extraction, Transformation and Load (ETL).
- GIS Analysis, Modeling and Cartography.
- GIS Certified Training, Jumpstarts and Knowledge Transfer.
- Provide market research and business consulting as needed for upper management.
- Different System Integration with ESRI Technology.

MIS PROJECTS:

✓ **Deputy Governorate of Riyadh Region for Regional Municipalities**

Sep 2012-Mar 2013

Role: GIS System Analyst, GIS Centre

- GIS implementation for 19 Regional Municipalities in Riyadh Region.
- Using FME software to transform the data collected from different formats.

✓ **Medina Development Authority (MDA), Al Madina Al Munawara**

Mar 2011-Sep 2012

Role: GIS System Analyst, GIS Department

- Madina Central Area Mapping and Analysis
- Wadi Al Aqiq Analysis
- Wadi Batahan Analysis
- Madina Central Area Web Application
 - ArcGIS API for Microsoft Silverlight/WPF.
 - ArcGIS 10
- MDA GIS Web Viewer
 - ArcGIS API for Microsoft Silverlight/WPF.





- ArcGIS Server 10.
- Participate in Comprehensive Plan for Madina.
- Participate in MDA's IT and GIS Strategic Planning.

Jan 2010– Mar 2011

ESRI NORTHEAST AFRICA (ESRI NEA)

Cairo, Egypt

GIS Developer / Certified Esri Trainer

ESRI NeA is an exclusive distributor for ESRI in Northeast Africa

- Develop and customize GIS computer applications.
- Design the solution as per client requirement.
- Database administrations and application configuration.
- Create, build and maintain the data model and database changes.
- Prepare the demo environments and scripts.
- Customer training and develop documentations as needed.

ESRI NEA PROJECTS:

- ✓ **Agriculture Lands Registration System (El-Segl El-Aini Elzra'i), Egypt**
- ✓ **Geographic system for Eladkhar Bank, Libya**
- ✓ **Geosystem for Central Security, Egypt**

Jul 2008 – Jan 2010

GIZA SYSTEMS

Cairo, Egypt

GIS Developer, GIS Division

Giza Systems is an exclusive distributor for Smallworld Products in Egypt

- Develop and customize GIS computer applications.
- Design the solution as per client requirement.
- Database administrations and application configuration.
- Create, build and maintain the data model and database changes.
- Prepare the demo environments and scripts.
- Customer training and develop documentations as needed.

GIZA SYSTEMS PROJECTS:

- ✓ **Automate Physical Network Inventory Features (Network Connection Features)**
- ✓ **Automate Physical Network Inventory Features (Specification Association)**
 - Magik Programming Language.
 - Java Programming Language.
 - SQL Database.
 - GE Smallworld Physical Network Inventory.

May 2008 – Jul 2008

GLOBE TELECOM

Cairo, Egypt

Developer, GIS Division

Globe Telecom is an exclusive Distributor for Intergraph products in Egypt

GLOBE TELECOM PROJECTS:

- ✓ **Automatic Vehicle Location AVL (Tracking System), Petroleum Arrows, Egypt**

Role: GIS Developer

- VB.NET Programming Language.
- Oracle Database.
- Geomedia Pro.





Sep 2007 – May 2008

INFORMATION TECHNOLOGY INSTITUTE (ITI)
The Egyptian Cabinet, Information and Decision Support Center
GIS Intern, GIS Department

Cairo, Egypt

ITI PROJECTS:

- ✓ **E-Learning Website**
- ✓ Role: GIS Developer
 - PHP Programming Language.
 - MySQL Database and Postgre SQL.
 - Linux OS.

Jul 2007 – Oct 2007

AVIT COMPANY, CIVIL AVIATION MINISTRY
Software Development Trainee

Cairo, Egypt

- Training for Civil Aviation Information Technology

June 2006 – Jul 2006

DMS
Software Development Trainee

Cairo, Egypt

- Training for Clinical Information Technology

TECHNICAL SKILLS

Operating Systems

- Excellent dealing with DOS, Windows OS.
- Excellent dealing with Linux.

Software Packages

- Microsoft Office.
- Open-Source Code Packages.
- Matlab.

Databases

- Oracle.
- Microsoft SQL Server.
- Microsoft Access.

- MySQL.
- Big Data knowledge.

Programming Languages

- Assembly Language.
- C and C++ programming language.
- Visual C++, VB and VBA.

- .NET (C#, VB.NET, .NET Framework...).
- Logic programming (Prolog).
- Python.

Web Development

- Java Script.
- XML.
- CSS, XSL and XSLT.
- HTML, DHTML, FrontPage.
- ASP, ASP.NET.

- PHP.
- AJAX.
- Adobe Flex.
- Silverlight.

GIS Software Packages

- Image Processing (Erdas, Envi, Matlab)
- Esri package 9.3, 10.x (ArcGIS Suite, ArcObjects, ArcIMS, ArcServer...).





- Intergraph package (Geomedia, Geomedia Web Map, Geomedia Objects...).
- Smallworld package (Core, PNI...) (Core Certified, Magik Certified, PNI Certified).
- Most of Open-GIS (Open Source) GIS products (Grass, QGIS...).
- Most of Open-GIS (Open Source) GIS tools.
- Most of ArcGIS Extensions (Spatial Analyst, Network Analyst, Geoevent Sever....etc)
- FME, Safe Software Inc

GIS SDK/API

- Esri packages:
 - o Programming ArcObjects using .NET Framework.
 - o Developing Add-ins using ArcObjects using .NET Framework.
 - o ArcGIS API for JavaScript, Flex and Silverlight.
 - o ArcGIS Maps on SharePoint and ArcGIS Maps on Office.
- Intergraph package (Geomedia Objects).
- Smallworld package (Magik programming language).

GIS THEORETICAL STUDIES

- GIS fundamentals.
- Remote sensing.
- Cartography.
- Spatial data analysis.
- Spatial data modeling.
- Surveying.
- SDI (Spatial Data Infrastructure).
- Open-GIS studies



CERTIFICATIONS

- ✓ PROJECT MANAGEMENT PROFESSIONAL (PMP)®
- ✓ CERTIFIED ESRI TRAINER
- ✓ ESRI ARCGIS ONLINE ADMINISTRATION SPECIALTY.
- ✓ ESRI ARCGIS DESKTOP PROFESSIONAL.
- ✓ ESRI ENTERPRISE GEODATA MANAGEMENT ASSOCIATE.
- ✓ ESRI ENTERPRISE ADMINISTRATION ASSOCIATE.
- ✓ ESRI ARCGIS DESKTOP ASSOCIATE.
- ✓ COMPTIA CTT+ CLASSROOM TRAINER.
- ✓ SMALLWORLD CORE.
- ✓ SMALLWORLD MAGIK.
- ✓ SMALLWORLD PNI.

