

With 12 years experience in GIS Development and Consultancy, I have participated in a lot of large scale GIS projects for various clients across MENA working in various domains like: Energy & Utilities, Oil & Gas, Intelligence, Home Land Security, Tourism Industry, Real estate, Cadastre. I was able to successfully enhance the Business Processes of these organizations and provide an added-value to their day-to-day activities by providing cutting edge GIS Solutions and Services.

I am always looking for new challenges that increase my knowledge and enrich my career. I am fast learner and hard worker, and I am able to handle the stress in the working environment while allowing my team to focus mainly only on positive outcomes.

Ain Shams University

2003 - 2007

Education

Bachelor of Computer Science

Faculty of Computer and Information Systems

Grade: Very Good

Dubai Electricity & Water Authority

Oct- 2016 - Now

Work experience

Deputy GIS Manager

- Lead the Development activities of **DEWA GIS Platform Upgrade** from **ArcGIS 9.2 to 10.6.1** and Transformation from **ArcFM UT to ArcFM**, that include:
 - Create new **Data Model** for Electricity, Water and Landbase
 - Develop **GIS Administration Platform** to Manage Application Authorization. Application Settings, Exception Handling, Error\Activity Logging...etc.
 - **ArcFM Session Manager** Implementation\customization for custom approval workflow
 - Implementing **ArcFM Auto-Updaters** to facilitate Editing Processes & ensure Data Integrity
 - Implementing **Geodatabase Archiving** and Custom **History Tools**
 - Implement set of Custom **GIS Locator** to easily locate DEWA Assets
 - Develop set of custom tools that facilitate **GIS Data Conversion from CAD & CSV**
 - Develop multiple productivity tools to facilitate Data Production like: **Bulk Cables Reshape, Bulk Disconnect, Bulk Cables Split, Customer Information Update From SAP**
 - Develop multiple **Map Production tools** on top of ArcFM Platform, and provide users with smart tools to plot features X/Y, highlight features on map, export results to Excel/File GDB, along with a smart utility to share Map Documents between users.
 - Prepare Training Plan for 1400 GIS Desktop Users
- Prepare **GIS Transformation Roadmap** and Lead around 30 Business Requirement Workshop with Distribution/Transmission Power, Water, Planning for more than two months
- Participate in **Data Assessment** and Provide guidelines for Optimized Data Management Strategy
- Lead the implementation of the following Quick-win Projects:
 - **GIS Web Infrastructure** Establishment by utilizing cutting-edge ESRI Web GIS technologies (Portal for ArcGIS, ArcGIS for Server...etc.)
 - **Bayanat Web GIS Viewer** serving 1500 GIS Users in DEWA with 12 different web applications
 - **MARAFEQ Smart Services** providing innovative way to share DEWA Data with Consultants\Contractors via OGC Services, instead of fragmented offline data on CD
 - **NOC GIS Web Applications** for Power, Water and Infrastructure providing seamless integration with SAP, and Advanced GIS Printing over the web
 - **SAP\GIS Integration** to Locate DEWA Assets from within SAP CRM\ISU\PM
- Lead the implementation of integrated web GIS Application to provide Water/Electricity Outage information to Customer Call Center Agents.
- Lead the implementation of **Smart Meters GIS Dashboard**
- Lead the implementation of **Customer Happiness GIS Dashboard**
- Lead the preparation of several RFP like: Asset Lifecycle Management, GIS Augmented reality, GIS Mobile Implementation

**Khatib & Alami
Consolidated Engineering
Company**

Nov 2012 - Aug 2016

Senior Solutions Lead

- Lead Abu Dhabi Water & Electricity Authority **GIS Platform Upgrade** Project
 - Prepare Migration Plan and advise about the necessary platform customization
 - Prepare Enterprise Geodatabase Upgrade Procedures
 - Lead Development team to upgrade GIS platform and apply necessary customization
 - Prepare Training Plan
 - Prepare Upgrade plan and System Health checks
- Re-engineer the integration interface between **ADWEA GIS and Siemens SCADA system**. The new interface was **9 times faster**, making daily synchronization from GIS to SCADA possible.
- Participate in **ADWEA Business Processes Re-engineering Study** by providing technical consultancy about GIS integration.
- Lead the Development of **ADWEA Online CAD Submission System**, that allow ADWEA to receive CAD Drawings online and Auto-Convert them to GIS after conducting customized QA/QC checks
- Lead the Development of **ADWEA Demand Forecast GIS Web Viewer** that visualize the forecast data on Web Maps using interactive time sliders and summary charts
- Lead the development of **ADWEA Project Tracking System** that visualize ADWEA projects on an interactive web map and display Project progress insight using seamless integration with Primavera
- Lead the Design and development of **ADCO NOC GIS Web Application**, which include seamless Integration with ADCO Unified K2 Workflow and Electronic Document Management System
- Lead the Design and Development of **Electric\Water Clearance Management System** for Ministry of Electricity and Water in Kuwait that automate the clearance issuing process and provide GIS web interface
- Lead the Design and Development of GIS Web Viewer to Oman Electric Transmission Company
- Lead the Design and Development of GIS Web Viewer to Sultan Qaboos University showing the solar panels and sustainability data

Integrant Inc,

Nov 2011 - Nov 2012

Senior Software Developer

- Develop and Maintain Alaris® Systems Manager/Maintenance
- Develop and Maintain Guardrails® Software Suite
- Upgrade Alaris® Gateway Workstation Firmware and integrate with Alaris® PC unit
- Revamping Project Wave product for internal Research & Development

ESRI Northeast Africa

Mar-2008 - Nov-2011

Senior Software Developer

- Develop **Task Force Management System** for Abu-Dhabi Police that manage routine Police Patrolling and Emergency Dispatching
- Develop **Mobile Data Terminal (MDT)** for Abu-Dhabi Police officer to receive dispatching orders, and search for criminal records and license information on the field
- Participate in Jeddah Municipality Systems Integration Study and prepare 9 Proposed Projects RFP
- Involved in the Design and Development of 15M \$ **Land Registration System** for Libyan Land Registration Authority with KPMG England as Management Consultant
- Integrate **MOBILY-KSA GIS System** with Telecommunication Application and Siebel
- Develop **GIS system for Saudi Commission for Tourism and Antiques** that include GIS Viewer for Public and Internal user, Mobile Application for tourists and 3D GIS Viewer on ArcGIS Explorer
- Develop **GIS System for Dar ArRiyadh Building Inspection Office** that include:
 - Web GIS application to plan and manage Patrol\Technical Inspection
 - Inspector GIS Desktop Application to Receive Inspection Details, Route to inspection Locations, collect and upload Inspection Details
 - Reporting Application to generate Monthly Inspection Report as Map book
 - Data migration to new GIS Application
- Develop **Building Data Collection Mobile Application** for Egyptian Intelligence
- Develop **Governorates Data Bank GIS application** for Egyptian Defense Ministry

Future Technology

Nov-2007 - Mar -2008

Software Developer

Develop commercial websites for Skills Development Project and Feqh al Quran

Skills

Programming Languages

C#, VB.NET, Python, VBA, SQL, SQL Plus

GIS Software

ESRI ArcGIS for Desktop, ESRI ArcGIS Enterprise, SE ArcFM, ArcObjects, ArcGIS Runtime SDK, ArcGIS REST API, ArcGIS API for JS, Geodatabase Configuration, Distributed Geodatabase Configuration

GIS Extensions

ArcGIS Network Analyst, ArcGIS Network Analysis, ArcGIS Schematic, ArcGIS Spatial Analyst, ArcGIS Data Reviewer, ArcGIS Data Interoperability

Productivity Tools

MS Office, MS Visual Studio, MSTeam Foundation System, MS SQL Server Enterprise Manager, Oracle Developer, Pareforce, Code Collaborator, Github, Rational Rose, Enterprise Architect 7.0, TOAD for Oracle & SQL Server, Code Smith 5.0

Web Development

ASP.NET, MVC 4.0, Web API, WCF, JavaScript, HTML 5, Ajax, JQuery

Training

K&A

June - 2014

IBM

Aug - 2010

IMI

July - 2008

Configuring/Customizing ArcFM Desktop 10.2

Object-Oriented Analysis and design using UML2.0

Becoming Brilliant Presenter

Achievements and Awards



SE Award for 1st Successful A...



CIO Appreciation Certificate



DEWA I&TF Internal Award