**Mohamed Mosalem Sengab**

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An IT professional with 14+ years of exceptional track record in software development, architecting enterprise applications, technical presales, technical project management and consulting services.

**Experience**

* **Software Development Manager,**[Nesma Telecom and Technology](http://www.nesmatelecom.com/), May 2011 – Aug 2017

**Highlights**

* Successfully assembled, and mentored a software development team, by providing team leadership and guidance.
* Architected and developed multiple solutions for major government organizations.
* Handled the presales activities and responded to multiple RFPs/RFIs by creating technical/financial proposals for government bids with total value of over 200 million USD, out of which multiple projects were successfully awarded to the company (projects value around 25 million USD).
* Created the solution architecture for a national enterprise data integration program that targets 149 government organizations, provided sizing for all of the hardware and software solution components, ensuring compliance with the customer enterprise architecture.

**Key Responsibilities**

* Leading and mentoring the software development team members in best practices and standards of software design and development, agile methodology, data modeling, and business intelligence.
* Accountable for building the technical competence of the team, resource management, team evaluations, appraisal and goals.
* Developing solutions architectures (based on Microsoft .Net) and hands on coding for REST services (Web API), ASP.NET, Angular Apps, EF data layer, Windows services, SharePoint components (Custom web part development, time jobs, custom lists, etc.), Power BI, Qlik sense dashboards. SQL server (database design, stored procedures, functions, query optimization, SSRS reports development, SSIS packages development, etc.),
* Work closely with enterprise customers by proactively providing deep technical expertise, support and presenting demos to the clients or running pilot projects.
* Presales activities including: Identify, and validate opportunities with high potential customer accounts, driving solution architecture for both the company solutions and products as well as partners’ solutions, developing complete proposals with details of activities, time frame, required mix of resources, hardware and software sizing.
* Handling the different aspects of technical project management for large scale enterprise projects.
* **Senior Technical Consultant,**[L1 Identity Solutions](http://www.morphotrust.com/), May 2010 – April 2011

**Highlights**

* Contributed to the successful delivery of a large enterprise system for Ministry of Interior (Mobile Biometrics Identification System).

**Key Responsibilities**

* Worked closely with the client’s project team to ensure the successful deployments of the mobile biometric identification system.
* Bridging and coordinating between the product team in USA and National Information Center (NIC) team in addition to gathering user requirements and analyzing NIC backend systems.
* Identifying, designing and executing all integration tasks required to successfully integrate the system within the complex NIC environment.
* **Development Lead,**[Nesma Advanced Technology](http://www.nesmatelecom.com/), February 2008 – April 2010

**Key Responsibilities**

* Designed the solution architecture for multiple projects.
* Conducted business systems analysis, developed the functional specification, and technical design.
* Planning, coordinating and executing the analysis, design, coding, testing, integration and deployment activities in various projects to establish quality standards and customer satisfaction.
* Developed work breakdown structure for the development activities and ensured proper execution of the development phase as per as the project schedule.
* Participated in the presales and solution proposing activities.
* Hands on coding and development using the .Net framework.
* **Senior Programmer/Analyst,**[Ministry of Higher Education](http://www.mohe.gov.sa), January 2007– January 2008

**Highlights**

* Contributed in the analysis, design, development, deployment and support of the ministry’s mission critical scholarship system (King Abdullah Scholarship Program).
* Consolidation of the historical data of the scholarship program into a single data warehouse, developing a dimensional model that enabled the business users to better understand and reflect over the data, introducing more flexibility in ad-hoc reporting.

**Key Responsibilities**

* Creating the solution architecture for the scholarship system based on Microsoft latest technologies.
* Designing, developing, functional and unit testing of different modules.
* ETL packages design and development, dimensional models design and implementation.

* **Senior Software Developer,**[OMS](http://www.omsme.com), June 2005 – January 2007

**Highlights**

* Acted as a technical consultant for multiple government organizations to help them integrate their systems and services with the Egyptian E-Government initiative.
* Contributed significantly to a new release of the company’s flagship Business Process Management (BPM) product, by designing and developing a core extension that allowed the customer to use the product and deploy their business process and workflows over the web.

**Key Responsibilities**

* Interfaced with clients and conducted technical training sessions.
* Developed multiple software solutions including web, and desktop applications.
* Participated in performance, integration, and system testing.
* **Senior Software Developer,**[quTIP](http://www.qutip.com), Dec 2003 – May 2005

**Highlights**

* Recognized for the design and development of multiple core modules for an enterprise sales and market analysis system for Procter & Gamble (CEEMEA), including a data consolidation module and OLAP reporting module that enabled business users examine and pivot the data over different dimensions, and get more business insight from the sales and market measures consolidated from all over the CEEMEA region.
* Participated in the design, development, deployment and support of an enterprise sales force automation solution that transformed the sales process for the customer and increased its overall sales and revenue.

**Key Responsibilities**

* Designing relational databases and multi-dimensional models.
* Developing software solutions including web, mobile and desktop applications based on Microsoft .net framework.

**Areas of expertise**

* Software Design and Development (.Net).
* Designing Solutions Architecture.
* Portals, Collaboration and Case Management Platforms: Microsoft SharePoint Server, EMC Documentum Enterprise Content Management System and EMC xCelerated Composition Platform.
* Databases and Related Products: SQL Server DBMS, Oracle Database, Microsoft Analytics Platform System (SQL Server Parallel Data Warehouse), SQL Server Analysis Services, SQL Server Reporting Services, SQL Server Integration Services, SQL Server Master Data Services, SQL Server Data Quality Services, and Power BI.
* Data Modeling, Data Extract/Transform/Load (ETL), Data Warehousing, Dimensional Modeling, and Master Data Management (MDM).
* Business Process Management (BPM), Service Oriented Architecture (SOA), Enterprise Application Integration (EAI), and Cloud Computing (Microsoft Azure).
* Qlik Sense Analytics Platform: Loading data, building dashboards, and developing custom extensions.
* Programming Languages and Frameworks: C++, C#, SQL, XML, HTML, CSS, JavaScript, JQuery, AngularJS, WCF, ASP.NET MVC, WebAPI, REST services, Silverlight, Entity Framework, Object Oriented Programming (OOP), and agile development (Scrum).
* Tools: Visual Studio, Visual Studio Team Services.
* Basic knowledge of data analysis and the R language.
* Proofs of Concepts (POCs) planning and implementation.
* Development of technical/financial proposals in response to RFPs, RFQs or RFIs.

**EDUCATION**

B.Sc. Computer Science 2003, Faculty of Computer and Information Sciences, Ain Shams University

General Grade: Very Good with Honor

**CERTIFICATIONs**

* PMP.
* TOGAF 9.1 Certified.
* ITIL Foundation V3 (Oct 2011).
* EMC Certifications:
  + EMC Proven Professional (EMCPA Associate Content Management Foundations).
  + EMC Proven Professional (EMCApD Specialist Content Management xCelerated Composition Platform (xCP) Specialist Version 1.0).
* Microsoft Certifications:
  + MCP Microsoft .Net Framework Application Development Foundation
  + MCTS BizTalk Server.
  + MCTS Silverlight.
  + MCPD Web Developer.
  + MCPD SharePoint Developer.
* Microsoft Professional Program - Data Science Certificate

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