



WALEED YOUSSEF, PhD

Chief Technology Officer (CTO) & Architect

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Leadership, Innovation & Strategic Vision

BACKGROUND

Technically sophisticated and business-savvy Information Technology (IT) & management professional with a pioneering career reflecting strong leadership qualifications coupled with extensive technical experience and over 24 years of experience in different industries including federal, financials, healthcare, and education. Excellent interpersonal and communications skills.

PROFESSIONAL EXPERIENCE

- **IBM – PM & Chief Architect (August 2008 – Current)**
PM & Chief architect managing multiple federal accounts
- **Keane – Principal Data Architect (April 2007 – August 2008)**
Designed client EDW, ODS and data integration
- **BearingPoint – BI Manager (December 2005 – April 2007)**
Managed the client BI development & Maintenance
- **Capital BlueCross – Software Engineer (November 2000 – December 2005)**
Led multiple IT development projects for the organization

CLIENTS

- IBM GTS, Cloud, & Watson Units
- US Securities & Exchanges Commission (SEC)
- Federal Deposit Insurance Cooperation (FDIC)
- Substance Abuse & Mental Health Agency (SAMHSA)
- Military Health Systems (MHS)
- Transportation Security Administration (TSA)
- Center of Medicare & Medicaid Services (CMS)
- CareFirst BlueCross Blue Shield
- Health and Human Services (HHS) Department

SKILLS & QUALIFICATIONS

- | | | |
|--|--|--|
| <input type="checkbox"/> Program Management | <input type="checkbox"/> Enterprise Architecture | <input type="checkbox"/> Agile Methodology & Rational RUP |
| <input type="checkbox"/> Executive Management & Expertise | <input type="checkbox"/> Business Intelligence & Data Warehouse/ODS | <input type="checkbox"/> DevOps AntHillPro, TFS & U-Deploy |
| <input type="checkbox"/> Strong Leadership | <input type="checkbox"/> Integration & SOA Architecture | <input type="checkbox"/> CMMI Level 3 and beyond |
| <input type="checkbox"/> Technical Sales & Account Management | <input type="checkbox"/> Data Centers Operations & Migration | <input type="checkbox"/> Financial and Budget Management |
| <input type="checkbox"/> Large scale Project Management | <input type="checkbox"/> Cloud Architecture (AWS/Azure/IBM) | <input type="checkbox"/> Federal Systems & Fed Financials |
| <input type="checkbox"/> Team Management & Mentoring | <input type="checkbox"/> Oracle ERP (GL/AP/AR/HR) & Healthcare HTB | <input type="checkbox"/> Healthcare & Healthcare Analytics |
| <input type="checkbox"/> Proposals Management & Tech Writing | <input type="checkbox"/> COTS Integration (Workday/Concur/Trizetto) | <input type="checkbox"/> Oracle Fusion Middleware & Weblogic |
| <input type="checkbox"/> Organized, creative, and results oriented | <input type="checkbox"/> Software Development Lifecycle (SDLC) | <input type="checkbox"/> Database design |
| <input type="checkbox"/> Self-directed and fast learner | <input type="checkbox"/> Data Architecture, Modeling & Mining | <input type="checkbox"/> Oracle/SQL Server/Sybase Databases |
| <input type="checkbox"/> Strong analytical and problem solving | <input type="checkbox"/> Security Architecture & Identity Management | <input type="checkbox"/> IBM Optim & Aspera for Archive & Transfer |
| <input type="checkbox"/> Excellent Communications Skills | <input type="checkbox"/> Cloud Migration | <input type="checkbox"/> Storage and Server virtualization |
| <input type="checkbox"/> International Experience | <input type="checkbox"/> IBM Tools (SOMA/Rational tools) | <input type="checkbox"/> IBM System <i>i</i> {AS/400}, <i>p</i> {AIX} & <i>x</i> {Win} |
| <input type="checkbox"/> High Availability & DR | <input type="checkbox"/> PeopleSoft & SAP Integration | <input type="checkbox"/> UNIX Solaris, HP, IBM AIX |
| <input type="checkbox"/> Static code analysis (ParaSoft/Fortify) | <input type="checkbox"/> Continuous Integration, Auto-Build & Deploy | <input type="checkbox"/> Oracle OBIEE & IBM Cognos |
| <input type="checkbox"/> Cognitive Computing & AI | <input type="checkbox"/> Big Data & Analytics | <input type="checkbox"/> Mobile Computing |

EDUCATION

- PhD in Computer Science, University of Maryland/UMBC
- Master's degree of Computer Science, Pennsylvania State University (PSU)
- Bachelor's Degree in Computer Engineering & Automatic Control, Alexandria University (AXU)

CERTIFICATES

- TOG-ITAC Level 3 – The Open Group Distinguished Certified Architect, November 2014
- PMI PMP®, Certified Project Manager Professional, August 2010 {Renewed August 2013 and August 2016}
- TOG-ITAC Level 2 – The Open Group Master Certified IT Architect, February 2010
- Oracle Certified Professional (OCP), March 2004

IBM CERTIFICATES

- Certified Watson Ambassador, IBM Watson, September 2015
- Certified Project Manager, "Expert" Level, IBM, October 2014
- Senior Certified Enterprise Architect, "Thought Leader", IBM, December 2013, renewed November 2016
- Certified Integration Architect, "Expert" Level, IBM, November 2013
- Certified Interviewer – Interview the IBM Way, October 2013, renewed August 2015
- Certified Systems Engineer & Architect (SE&A), "Expert" Level, IBM, December 2009

PROFESSIONAL WORK HISTORY



IBM – Global Business Services (GBS) – Application Innovation Services
Positions:

- ➡ Program Manager
- ➡ Senior Project Manager
- ➡ Chief Enterprise Architect
- ➡ Lead Cloud Architect
- ➡ Systems Engineering Manager
- ➡ Proposal Manager

PROJECT SEC TECHNICAL MANAGEMENT (SEPT 2015)

- ★ Program manager with budget of more than \$16M
- ★ Performed budget execution tasks
- ★ Presented project status and budget reporting to C-level executives
- ★ Performed financial, program financial reporting, and forecasting tasks
- ★ Proposed profit enhancements initiatives
- ★ Managed client troubled projects and stabilized them
- ★ Assigned tasks to team members and followed up
- ★ Hired new resources to the program
- ★ Worked closely with clients’ executives to define conditions of satisfactions and implement strategic program initiatives
- ★ Researched new initiative for dark and deep Web analysis
- ★ Led the architecture team to implement IBM Aspera
- ★ Architected/managed the client infrastructure & Data Center
- ★ Migrated multiple applications into the Cloud (SAAS & PAAS)
- ★ Provided technical leadership for different projects at SEC
- ★ Led technical sessions with users and SEC SMEs
- ★ Managed multiple data analytics initiatives
- ★ Mobile enablement of key client applications



PROJECT SAMHSA CLOUD MIGRATION (JAN 2015)

- ★ Chief architect & PM for the Data Center migration to AWS
- ★ Architected and designed migration for the DC and the data
- ★ Developed an Agile project plan for the migration
- ★ Scrum Master managing and facilitating the daily standups
- ★ Developed product backlogs for features tracking and assignment
- ★ Conducted lessons learned and sprints planning with key stakeholders
- ★ Led meetings with stakeholders, SAMHSA SMEs, and key users
- ★ Developed RACI matrix for project roles and responsibilities
- ★ Developed the environment Solution Architecture Document (SAD)
- ★ Architected the Cloud infrastructure for the DC servers & networks
- ★ Managed the deployment of SharePoint into the Azure Office 365
- ★ Designed security groups, Network ACLs, subnets, VPCs and more
- ★ Conducted As-Is assessment & developed To-Be architecture
- ★ Made migration technical decisions (Linux versions and tools, windows versions and other software to be deployed)
- ★ Provided technical leadership to the Amazon AWS team to build the application environment
- ★ Managed the migration of the Data Warehouse into AWS RedShift
- ★ Converted applications to be Mobile-friendly



PROJECT FDIC SOA IMPLEMENTATION (NOV 2014)

- ★ Service Oriented Architecture (SOA) Program & Transition Manager (PMOR) with budget \$2M
- ★ Managed a team of 10 (developers/architects/BA/Testers) to modernize FDIC SOA foundation services
- ★ Performed as the Transition Manager to transition work from incumbent to IBM
- ★ Developed budget sheets and reporting capabilities
- ★ Hired new resources to the program
- ★ Developed roadmap and vision docs for the program
- ★ Developed strategic initiatives doc for developing new initiatives, improving adoption and enhancing the foot print of the SOA services in the organization
- ★ Managed and monitored the development of a SOA governance model
- ★ Architected plan to enable Mobile in the environment



PROJECT SAMHSA DATA WAREHOUSE PROJECT (MAR 2014)

- ★ Chief Data Warehouse architect & PM for designing new DW @SAMHSA
- ★ Led meetings with stakeholders, SMEs, and key users
- ★ Led technical proposal evaluation and review from interested vendors
- ★ Developed the project plan based on Agile with Discipline (AwD)
- ★ Developed the Vision doc and the Concept of Operations (ConOps)
- ★ Architected and designed a complete Business Intelligence (BI) solution based on the Oracle OBIEE+
- ★ Supported the user stories and requirements gathering
- ★ Designed the infrastructure supporting the OBIEE+ environment
- ★ Selected tools, infrastructure, environments & OS for OBIEE+ implementation in the Amazon Cloud
- ★ Implemented a solution based on Service Oriented Architecture (SOA) concepts and guidelines
- ★ Developed data acquisition and transportation between SAMHSA and external data vendors



PROJECT FDIC ITAS DEVELOPMENT PROJECT (APR 2011)

- ★ Project executive for three projects (1) Structure Information Management System (SIMS) Modernization (2) Claims Administration Systems (CAS) Modernization (3) Non-Deposit Claims (NDC) Application Development
- ★ Executive leading a team of 50 consultants
- ★ Managed the Operation and Maintenance (O&M) team



PROJECT FDIC PROPOSALS WORK

- ★ Performed as the proposal manager and “Book Boss” for four large scale proposals for ITAS II, the Middleware proposal, the Enterprise Services Support (eSOA) proposal, the Receivership Assets Support (RAS) proposal, and the Receivership Oversight Management System (ROMS) proposal
- ★ Supported the ITAS program develop multiple proposals for the ITAS II program, proposals worked on include: (1) Development Tools (2) Middleware Architecture (3) Strategic Resource Management (SRM)



- ★ Performed the role of Regional Solutions Centers (RSC) Program Manager, responsible for two data and development centers in Michigan and Rocket Center, WV.
- ★ Hired and interviewed resources to join the FDIC ITAS program
- ★ Shifted big loads of work to the RSC to improve efficiency
- ★ Managed & Formed a new team to implement DevOps and Continuous Integration in the environment
- ★ Adopted the Agile & the Rational Unified Process (RUP) methodologies
- ★ Implemented auto build and deploy techniques and static code analysis
- ★ Implemented new tools in the environment to adopt continuous integration, such as AntHillPro, Team Foundation Server (TFS), UDeploy and more
- ★ Developed detailed project plan and followed up on tasks progress and completion percentages
- ★ Managed all four phases of the RUP process for the project (Inception, Elaboration, Construction and Transition)
- ★ Provided status to C-level executives
- ★ Worked on project management deliverables, such as Risk Register, Communication Plan, Software Development Plan
- ★ Handled budget activities, cost cases, hours chargeability and financial aspects of the project
- ★ Designed the physical architecture for the DC implementation
- ★ Reviewed/edited Testing deliverables, including Master Test Plan (MTP), Test Strategy and Test Cases Spec docs
- ★ Implemented Documentum, Borland StarTeam and Adobe CQ5

- (4) Operations and Maintenance for Supervision and Insurance Applications (5) Enterprise Services SOA Support
- ★ Conducted TA/DA for multiple proposals
- ★ Conducted GS Risk Review for proposals
- ★ Won a new Operations and Maintenance technical proposal for supporting O&M activities for the Claims Administration System (CAS) and the Non Deposit Claims (NDC) system, valued at \$4.0M annual total value
- ★ Participated in the development of the SIMS Modernization technical proposal; assessed total hours, developed cost case, drafted a project schedule, proposed required resources and conducted proposal risk assessment
- ★ Developed the complete Elaboration Phase proposal, valued at \$1.7M
- ★ Performed the role of Proposal Manger for the SIMS Modernization Construction & Transition Phases technical proposal, valued at \$3.2M
- ★ Proposal Manager for the CCATS project, valued at \$900K
- ★ Proposal Manager for the Web Application Redesign Project (WARP) Inception and Elaboration Phases, valued at \$600K
- ★ Technical Reviewer for the FDIC CAS 2.0 Construction and Transition proposal, valued at \$3.0M
- ★ Conducted multiple architecture forums and review sessions to finalize proposals' technical solutions

PROJECT MHS ENTERPRISE SERVICE BUS (ESB) (JAN 2011)

- ★ Technical Manager & Chief Technology Officer (CTO) for the MHS Enterprise Service Bus (ESB) project
- ★ Led a large team to build an Enterprise Service Bus (ESB) for MHS to support loosely coupling of all military health applications and systems
- ★ Participated in project leadership meetings and client planning meetings
- ★ Provided status to client executives and reported weekly status
- ★ Supported and worked on requirements gathering phase of the project
- ★ Supported system Use Cases development and conducted multiple client validations and verifications meetings
- ★ Developed System Requirements Review (SRR) presentation
- ★ Designed and developed architecture diagrams for the new enterprise service bus system
- ★ Developed Reliability, Maintainability and Availability (RM&A)
- ★ Implemented the project using the DOD SDLC methodology



PROJECT GBS PROPOSAL MANAGER (MAR 2010)

- ★ Led the Machine Foreign Language Translation Services Proposal (MFLTS) Proposal System Engineering component
- ★ Led the Testing and Evaluation (T&E) section of the MFLTS proposal, valued at \$5M
- ★ Performed Basis of Estimates (BOE) estimates for all testing activities and initiatives in the MFLTS proposal
- ★ Successfully led and completed TSA OASIS project acquisition of new IBM Power 7 hardware servers, a deal of over \$3M
- ★ Participated in the TSA OASIS RFI response for new TSA initiative related to cargo identity information
- ★ Provided technical solutions and solution architecture components for the TSA Secure Flight task order
- ★ Led a proposal for hardware refresh @CMS HIGLAS to include all equipment in the DC, valued at \$8M
- ★ Led the Strategic Initiative proposal for CMS HIGLAS
- ★ Developed the System Engineering and architecture modules of the HIGLAS Operations task order (TO31)
- ★ Supported the win of multiple proposal I worked on
- ★ Developed estimates for proposals including BOE, WBS and scheduling

PROJECT TSA SECURE FLIGHT PROGRAM (OCT 2009)

- ★ Solutions Architect & Data Center Manager for the Secure Flight Project
- ★ Led a team to implement the GridScale tool for high-availability and scalability



PROJECT THE CMS HIGLAS PROJECT (AUG 2008)

- ★ Led the Systems Engineering and Architecture Manager for the CMS Healthcare Integrated General Ledger Accounting System (HIGLAS)
- ★ Implemented Oracle Financials ERP (GL and AP)



- ★ Led a team to implement Oracle Business Intelligence Enterprise Edition (OBIEE)
- ★ Developed Resource Requisition Forms, interviewed candidates and made selections.
- ★ Developed detailed architecture roadmaps for the program
- ★ Architected and designed a new redress system for travelers
- ★ Developed vision for the technical implementation of the new redress case management system
- ★ Developed and designed server rack elevation plans for physical space savings and server reorganization
- ★ Developed accurate capacity planning for the implementation of the new data warehouse solution
- ★ Proposed and developed performance test plan strategy and tuning documents to enhance the performance of the application
- ★ Led the Solutions Architecture team to architect and design new application for the implementation of a new Reporting Management System (RMS) using Oracle Business Intelligence Enterprise Edition (OBIEE) and Informatica PowerCenter.
- ★ Led multiple upgrades activities, including DB2, AIX, and more
- ★ Participated in the architecture team to replace JBoss Application Server with WebSphere Application Server (WAS).
- ★ Led the design team to develop remote site failover to provide high-availability to the environment
- ★ Participated in the hardware tech refresh of the environment
- ★ Led the infrastructure group, presenting architecture initiatives to clients, and to review boards (TRB, CCB, CRB, etc)

- ★ Developed project planning for multiple initiatives, such as the hardware refresh project, the WebSphere implementation project, and the HP Archiving solution
- ★ Hired new resources in the program
- ★ Replaced sub-contractors with IBMers to improve PTI
- ★ Closely handled a budget of \$6M, using the EVMS methodology
- ★ Managed weekly executives briefing
- ★ Led the architecture and design for the WebSphere implementation, Oracle AMP, and the Archiving projects
- ★ Proposed new techniques for storage saving in the HIGLAS database
- ★ Architected data scrambling and masking solutions using Optim for Oracle eBusiness Suite
- ★ Developed new solution for data encryption and data masking
- ★ Architected new server layouts, LPARs and partitions
- ★ Implemented NetApps appliances for storage efficiencies
- ★ Designed and architected solution for HIGLAS BI components and implementation of the Oracle OBIEE tool
- ★ Enhanced the program DC monitoring capabilities
- ★ Recommended multiple tuning initiatives for servers and databases
- ★ Supported the Oracle Financials eBiz suite version 11i
- ★ Participated in HIPP 5010 and HIPAA compliance projects
- ★ Participated in change management meeting, such as CMRB, CAB, iCAB, and RCA
- ★ Performed the role of PoC for external vendors, HP, Oracle, Optim, etc.
- ★ Participated in Disaster Recovery testing and drill activities (DR)

Keane, Inc. – Architecture and Innovation Services

Positions:

➡ Senior Project Manager

➡ Data Architecture Practice Lead



PROJECT CAREFIRST BCBS DATA WAREHOUSE (APR 2007)

- ★ Performed as the Data Warehouse Lead and ODS Solution Architect
- ★ Designed the data warehousing system for billing healthcare data
- ★ Lead the team and provided expert opinion and mentorship
- ★ Developed project plans and estimates for the design phases
- ★ Architected and designed data flow diagrams for EDW
- ★ Illustrated how the new system would fit with and comply with the enterprise architectures, regulations, and rules
- ★ Designed loosely coupled integration techniques for data capture from the Facets Mainframe system to the BI servers
- ★ Provided conceptual, logical and physical models using CA ERWin
- ★ Conducted modeling design reviews with the client’s leaders to verify design and capture business functionalities
- ★ Reported project status and progress to client executives



PROJECT DATA ARCHITECTURE PRACTICE LEAD (JUN 2007)

- ★ Led multiple data architecture proposals
- ★ Supported new business in excess of \$15M
- ★ Participated in activities to promote business development and add new businesses
- ★ Interviewed and selected new candidates in the team, completed candidates evaluation forms, and discussed offers
- ★ Designed and produced standard techniques and tools for cost and time estimation of projects
- ★ Involved in technical writing and technical review of multiple proposals for new businesses.
- ★ Mentored new employees and less experienced professionals
- ★ Performed multiple activities related to data analytics and BI

BearingPoint, Inc. – Oracle ERP Practice

Positions:

➡ Senior Business Intelligence Manager

➡ ERP SME



PROJECT HHS ORACLE FINANCIALS (ERP) IMPLEMENTATIONS



- ★ Led the Business Intelligence implementation at the Health and Human Services Department (HHS) Unified Financial Management System (UFMS) project
- ★ Developed project plans and estimates for both time and cost based on requirements
- ★ Reported program status and progress to executives
- ★ Architected solutions and served as reference point for Oracle Financial e-Business Suite, Oracle OBIEE and BI tools and Oracle products
- ★ Worked with the Deployment team to resolve all deployment issues using Kintana and other Mercury tools

PROJECT ORACLE PRACTICE LEAD

- ★ Performed as the BI practice lead
- ★ Recommended team resources needed to higher management
- ★ Interviewed new candidates in the team and presented recommendation to executives
- ★ Mentored less experienced team members and peers
- ★ Conducted multiple training activities for employees
- ★ Led multiple proposals for new business

TRAINING

Management Training Classes:

- ★ IBM Program Work Center (IPWC) – Oct'15
- ★ IBM Privia for Managing the Proposal lifecycle – Sept'15
- ★ IBM Project Management Advanced Concepts (PM15G)/IBM PM Certification preparation – Jun'14
- ★ IBM Expert to Leader – Apr'14
- ★ Federal Project Financials Fundamentals – Nov'13
- ★ DevOps and Agile Techniques – May'13
- ★ Rational Unified Process (RUP) – Apr'11
- ★ RUP Iterative Project Management Workshop – May'11
- ★ PMP Boot Camp – Apr'10

Technical Training Classes:

- ★ Watson Transformation and Implementation – Sept'15
- ★ Rational Software Architect (RSA) Technical Overview – Jun'11
- ★ RUP Use Case Modeling – Jun'11
- ★ IBM – SOMA modeling and architecture – Sept'10
- ★ IBM Architectural Thinking/Architect certification – Apr'09
- ★ IBM Optim Training – Dec'08
- ★ IBM WebSphere Message Broker – Sept'08

TALKS & PRESENTATIONS

- ★ Presented Cloud Architecture initiatives presentation to the AAEA Engineering Association, April 2016
- ★ Presented a whitepaper at the IBM Academy of Technology (AoT) International Conference of Systems Engineering, Oct'13 – Topic: Engineering Complex Federal Systems 101, [here](#)
- ★ Conducted an IBM Seminar on Cloud Computing and Architecture, Jul'12 at IBM Bethesda
- ★ Presented a whitepaper at the IBM AoT International Conference of Systems Engineering, Jul'09, Topic: The Systems Engineering Optimization role in an ERP implementation
- ★ Conducted Data Warehouse 101 training, BearingPoint, Alexandria, VA, Jun'06

ACADEMICS

- ★ Served as a committee member for PhD student thesis defense Ahmed Shahin – UMBC, April 2017
- ★ Planned for performing as PhD committee member for two UMBC students, Fall 2016
- ★ Served as a committee member for PhD student thesis defense Sami Alsemairi – UMBC, November 2016
- ★ Served as a committee member for PhD student thesis defense – Yatish Joshi – UMBC, November 2015
- ★ Served as PhD Proposal Committee Member for PhD student Yatish Joshi – UMBC, May 2014
- ★ Served as a committee member for PhD student thesis defense – Fatih Senel – UMBC, July 2012
- ★ Mentored Masters student in the Computer Science Department, UMBC, 2007 to 2009
- ★ Served as a committee member for PhD student thesis defense – Sookyoung Lee, UMBC, June 2009
- ★ Served as a committee member for PhD student thesis defense – Abdelrahman Desouky, UMBC, April 2009
- ★ Conducted peer reviews of technical papers for conferences and journals, including IEEE Local Computer Networks (LCN) 2009
- ★ Author of multiple technical and peer reviewed papers and publications

BLOGS & SOCIAL MEDIA

- ★ IT Modernization and the need for simplification Apr'12
<http://expertintegratedsystemsblog.com/index.php/2012/04/it-modernization-and-the-need-for-simplification/>
- ★ Made in Rochester, what else is similar between IBM PureSystems and the AS/400, Jun'12
<http://expertintegratedsystemsblog.com/index.php/2012/05/made-in-rochester-what-else-is-similar-between-ibm-puresystems-and-as400/>

RESEARCH & CONFERENCES

Journal Papers:

- ★ W. Youssef et al., "Optimized Asset Planning for Minimizing Latency in Wireless Sensor Networks," *ACM/Springer Wireless Networks, the Journal of Mobile Communication, Computation and Information*.
- ★ W. Youssef et al., "A Cognitive Scheme for Gateway Protection in Wireless Sensor Network," *Journal of Artificial Intelligence*.
- ★ W. Youssef et al., "Improving Gateway Safety in Wireless Sensor Networks Using Cognitive Techniques," *The International Journal of Sensor Networks*, special issue of Wireless Ad Hoc and Sensor Networks.
- ★ W. Youssef et al., "Positioning of Base-Stations in Wireless Sensor Networks," *IEEE Communications*, Vol. 45, No. 5, Apr'07.
- ★ W. Youssef et al., "Safety- and QoS-Aware Management of Heterogeneous Sensor Networks," *Journal of Interconnection Networks*, special issue on Heterogeneous Wireless Ad-Hoc Networks, Vol. 7, No 1, Mar'06.

Conference Papers:

- ★ W. Youssef et al., "Intelligent Estimation of Gateways Count for Reduced Data Latency in Wireless Sensor Networks," *IEEE GlobeCom Conference*, Washington, DC, Nov'07.
- ★ W. Youssef et al., "Intelligent Gateways Placement for Reduced Data Latency in Wireless Sensor Networks," in the *Proceedings of the 32nd IEEE International Conference on Communications (ICC)*, Glasgow, Scotland, UK, Jun'07.
- ★ W. Youssef et al., "Intelligent Discovery of Safe Paths in Wireless Sensor Network," in the *Proceedings of the 23rd Queen's Biennial Symposium on Communication*, Queen's University, Kingston, Ontario, Canada, May 29 – Jun'06
- ★ W. Youssef et al., "A Cognitive Approach for Gateway Relocation in Wireless Sensor Networks," in the *Proceedings of the 19th International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, Melbourne Beach, Florida, May'06.
- ★ W. Youssef et al., "An Intelligent Safety-Aware Gateway Relocation Scheme for Wireless Sensor Networks," in the *Proceedings of to the IEEE International Conference on Communications (ICC)*, Istanbul, Turkey, Jun'06.
- ★ W. Youssef et al., "Safety- and QoS-Aware Management of Heterogeneous Sensor Networks," in the *Proceedings of the Workshop on Heterogeneous Wireless Ad Hoc and Sensor Networks*, in Conjunction with the 8th IEEE International Symposium on Parallel Architectures, Algorithms, and Networks (I-SPAN), Las Vegas, Nevada, Dec'05.
- ★ Waleed Youssef et al., "An Enhanced Genetic Algorithm for DNA Sequencing by Hybridization with Positive and Negative Errors," in the *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO)*, Seattle, WA, Jun'04.

AWARDS

- ★ IBM Eminence and Excellence Award, Dec'15
- ★ IBM Manager's Choice Award, Oct'15
- ★ Multiple IBM Blue Thx Awards, Aug'15
- ★ Finalist, IBM Shark Tank, Apr'15, selected among finalist 10 ideas for project revenue optimization
- ★ IBM Cash Award for Business Development, Feb'15, won a cash award for winning new business at FDIC for IBM
- ★ IBM Manager's Choice Award, Jun'14
- ★ IBM Inventor, one point invention in the Mobile industry, Jan'14
- ★ IBM Certified Interviewer, Oct'13
- ★ IBM Future Leader and Executive nomination and acceptance, Apr'13
- ★ IBM International Technical Support Organization (ITSO) Residency Award, PureSystems Application System Redbook Residency - Raleigh NC – Mar'12
- ★ IBM Academy of Technology Travel Grant, Dec'11. My proposal for learning idea won first place
- ★ Best research [paper](#) award in the Genetic Evolutionary Computation Conference (GECCO) in Seattle, Jun'04
- ★ Students with outstanding academic records, Penn State University, 2004
- ★ Students of honors, Alexandria University, from 88 to 92
- ★ Selected among the "Top 30 Performing High School Students" in the nation, GPA 3.95, a nationwide competition, 87

MEMBERSHIP & PROFESSIONAL ACTIVITIES

- ★ Volunteer IT Career Advice for college senior and junior students in the Computer Science field, January 2016
- ★ Member of the IBM University Recruiting Team, September 2015. Tasks include interviewing candidates, running information sessions, leading career fairs and events on campus and more
- ★ Member of the IBM University Recruiting Team, since September 2014.
- ★ Confirmed member of the [IBM Business and Technical Leadership \(BTL\) Group](#), April 2011. This group is dedicated to IBM future leaders and executives.
- ★ IBM Worldwide Architect Certification Board Member, 2011.
- ★ PMI, the Silver Spring Maryland Chapter of PMI, Member since 2010.
- ★ IEEE Member, since year 2002.

VOLUNTEER ACTIVITIES

- ★ Multiple volunteer activities conducted in coordination with IBM at local shelters and unprivileged kids institutions
- ★ Volunteer teacher at my local religious organization, teaching elementary and middle scholars
- ★ Community & local neighborhood volunteer activities