



Yasser Alhelaly

Date of birth: 20/01/1973

Nationality: Egyptian

Gender: Male

CONTACT



426 R. Machado dos Santos,
St. Antonio Villa
2775-239 Cascais, Portugal



yasserhelaly@aucegypt.edu
d20190534@novaims.unl.pt



(+351) 915520180



<https://scholar.google.com/citations?hl=en&user=yQKF8AAAAJ>

LinkedIn: <https://www.linkedin.com/in/yasser-al-helaly-57b43995/>

ABOUT ME

I am a computer engineer with a master's degree in computer science from the American University in Cairo with more than 25 years of information security and IT experience. Currently, I am a Ph.D. candidate and researcher at NOVA Information Management School.

WORK EXPERIENCE

01/10/2020 – CURRENT – Lisbon, Portugal

Ph.D. Researcher

Nova Information Management School, NOVA University of Lisbon

- Participating in theoretical and/or empirical research in the area of information management.
- Determine areas of research in cybersecurity to increase knowledge in information systems.
- Prepare research proposals and submit funding applications.
- Plan and perform interviews, experiments and surveys
- Collect, record and analyze data.
- Interpret data analysis results and draw inferences and conclusions.
- Present research results to committee.
- Use research results to write reports, papers and reviews
- Publishing research results in the top information systems Journals.
- Presenting findings at conferences and seminars.
- Collaborate with research teams, industry stakeholders and European government agencies.

01/10/2019 – 01/10/2020 – Cairo, Egypt

CTO

Creative Mind Techs (CA Technologies Egypt Partner)

Contribute to a company's technical vision and lead all aspects of technology development, according to its strategic direction and growth objectives. My main responsibility is to match technology with business needs

01/01/2017 – 01/10/2019 – Cairo, Egypt

Presales director and Cybersecurity consultant

Future Systems (CA Technologies Egypt Partner)

Responsibility:

Actively drive, manage, and direct the evaluation stage of the presales and sales process, working in conjunction with the sales team. Provide technical guidance to pre-sales personnel and plan and modify product and services configurations to meet client requirements. Pursue additional business development opportunities.

Main Activities:

- Manage team of 3 presales engineers, 5 products managers, and 3 IT professional services managers.

- Working closely with the sales team on proposals and pitches for business. Planning of sales strategies, the positioning in contrast to the competitors and the demonstration of the business.
- Create and manage all activities and processes needed to ensure that the vendor solutions can deliver on the customer's requirements.
- Offering my technical expertise and consultation services to our prospect customers.
- Responsible for all CA technologies solution by manage all proposals based on customers' requirements
- Responsible for CA technologies solution orientation and demonstrations. Responsible for POC (Proof of Concepts) and Marketing documents creation.
- Manage the engagement process with the customers and interpretation of their needs and derivation of advice for prospective products that are aligned with the customers' demands.
- During the last 20 years I worked as an IT Security consultant for Future Systems, covering all CA Enterprise Security solutions especially in the field of financial and banking sectors such as Identity Management and Governance systems, Privileged Access Management, Multi-factor Authentication, eCommerce security, Application Security, Cloud Computing Security and Single Sign On solutions. Moreover, I have been offering my cybersecurity consultation based on my long experience in Information Security to the private and public sector specially the governmental and financial sector.

01/01/2015 – 30/12/2016 – Cairo, Egypt

Planning Director

Information Systems Institute (ISI)

Responsibility:

Responsible for the day to day educational requirements of the Institute such as educational programs, teaching, students affairs, exams, planning for educational (weekly-monthly-yearly) agenda, Grading and educational Quality.

Main Activities:

- Took charge of Educational Management System Automation which was implemented by a successful coordination with ISI's IT-Center technical team.
- Successfully managed and direct the educational branch by deploying new strategies in educational planning, students' affairs, and educational programs.
- Manage more than 35 IT professional across the Institute including 4 educational buildings across the Institute.
- Manage an enterprise project for Implementing e-Learning and Distance education system within distributed systems for all the institutional Services of the armed forces.
- Took charge of enhancing the quality of education processes by applying the Total Quality Management (TQM) standards for Quality Assurance, we successfully managed to implement ISO 9001 (Quality of education), ISO 14001 (Environmental Quality) and 18001 (Health and Occupational Quality).
- Led a team of technical staff through defining the requirements for several e educational programs and applications for the use of students' services and academic staff.
- Participating effectively in the committee of enhancing the educational process of Armed Forces educational institutes across Egypt.

01/01/2014 – 01/01/2015 – Cairo, Egypt

IT director

MOD

Responsibilities:

- Direct the visions of the decision makers within technical constraints.
- Coordinate the operations of various IT services and technologies.
- Adapt the prototype and study the feasibility, implementation, operation and technical monitoring of the implemented IT project.
- Responsible for the Procure and purchase processes for IT and technical equipments.

Main Activities:

- Directing and managing technical team of 25 IT professionals (including 2 IT Managers) at the MOD IT Sector.
- Manage two Information Technologies Institutes.
- Leading IT operational projects to support decision support systems and central operational management.
- Manage and direct IT management teams who are responsible for implementing the IT service management and planning the integrating process between Infrastructure and Service Desk Management Systems based on the ITIL standard processes.
- Directing and Managing Integrated Large Scale Access Control & Security Management Systems including IP Surveillance Cameras, CCTV, Network Video Recorder, Video and Audio Management Software, Proactive and Reactive Intruder Alarm Systems, and Access Control Systems.

01/01/2010 – 30/12/2013 – Cairo, Egypt

IT Manager

Information System Department - MOD.

- Managing technical team of 14 IT professionals located at IT branch of the Information System Department of the MOD.
- Automating all IT processes and responsible for Digital Transformation for all IT legacy systems using digital and Agile Transformation.
- Managing, Implementing and deploying Surveillance Security Systems using Axis solution based on Network Cameras, Audio/Video Management Systems, NVR Systems, and RFID Access control Systems. Implementing IT Service Desk Management and Self Service Management.
- Leading cross-functional projects and IT strategy teams to redesign IT processes. ISD Users goals, resulting in improved productivity, response time and reduced expenses.
- Directing a design team in development of IT operation web pages ensuring design adhered to corporate standards.
- Communicate vital information to internal users and increase user self- serviceability.
- Foster partnerships across all areas of Information Systems through development and adherence to service level objectives and regular communication forums, resulting in increased rapid response to technology issues. Implementing High IT Security standards and Policies using proactive security solutions.
- Designing high availability, cluster solution and disaster recovery plans for the department to guarantee fault tolerance performance. Transferring knowledge regarding data

- warehouse, GIS, content management systems, and paperless community using integrated document management systems.
- Design and Build the new state of the art ISD Data Center with advanced network, storage, and telecommunication systems such as: SAN, NAS, Racks, server blades, KVM, redundant power supply, physical access control, IP Surveillance Systems, redundant UPS, Fire Alarm and Detection Systems, Fire extinguishing Systems, IP Telephony and Call Management (CISCO and AVAYA), Virtualization Management (Vmware VSphere Management), etc.
- As the IT Manager of ISD, I was assigned as the head of 20+ technical committees. I was responsible for the technical/ financial evaluation for all technical proposal and manage all IT tenders with taking all the decision needed to select the best solution based on the identified business requirements and the propose specifications.
- Participate in the design of all RFI and RFP of the Information System Department and make sure that all documents are following the standards and meeting business Scope of work. Moreover, I was responsible of determining the IT solution needed to solve all immediate needs and solve the technical problems and pains using state of the art technologies.

01/01/2008 – 01/01/2010 – Cairo, Egypt

Team Manager

Integrated Information Center - MOD

Managing advanced IT center composed of high, sophisticated and latest state of the art technology in IT services such as:

- I successfully implemented Information Bank Project for MOD. The project was composed of heterogeneous IT systems such as: Data warehouse, ETL system, Content Management System, Workflow System, Digital Signature System, Advanced Authentication System, SSO, Servers Access Control and Portal.
- Implement a customized Geographic Information System with advanced customized encryption module based on biometric and advanced Encryption algorithms.
- Automate MOD IT Service Management Systems using Unicenter Infrastructure Management Module to monitor the health and quality of MOD IT services and implement root cause analysis to mitigate any prospect risks or failure.
- Build a unified Data warehouse by implementing ETL (extract, Transform, Load) data management and cleansing system
- Implement a Business Intelligence Dash board for all ITSM.
- Implement IT help desk with request and incident management systems based on identified SLA and OLA and build a CMDB for the change and release processes.
- Upgrade the MOD media services (Advanced Data Show System) and integrate it with the existing IP Surveillance System and IT help Desk system
- Design and execute an Advanced Data Center Architecture with all associated Infrastructure components such as: Active-passive Network components (Core Switch, Distributed, and Edge Switches, Servers high available rack, advanced backup solution, UPS, fire detect and alarm system, etc.
- Implement IT help desk with request and incident management systems based on identified SLA and OLA and build a CMDB for the change and release processes.
- Implement Disaster recovery system with advanced active-active cluster solution for all deployed application and database systems.

- Implement IT help desk with request and incident management systems based on identified SLA and OLA and build a CMDB for the change and release processes.
- Implement IP-telephony System with customized ciphered VOIP and integrated with the legacy Public Switched Telephone Network (PSTN) system.
- Implement IP Surveillance system with motion detection, NVR, Access Control, analytics and integrated with legacy CCTV analog system using video encoder.

01/01/2005 – 01/01/2008 – Cairo, Egypt

Project manager

It Branch – MOD

Responsibility:

ensure that a project is completed on time, within budget, and that its objectives are met. They oversee the project, manage the team, ensure the most efficient resources are used and ensure that all parties involved are satisfied.

Main Activities:

Implement sophisticated IT heterogeneous system to build information bank composed of structured DB, unstructured DB, Content Management, Textual Search engine, reporting services, business intelligence services, portal services, and Information Security services, within advanced and scalable data warehouse in disaster recovery environment. Implement common desktop operating system of the MOD (over 1500 PCs), resulting in first successful implementation of that type in MOD history, laying groundwork for future success.

01/01/1999 – 01/01/2005 – Cairo, Egypt

Team Leader

IT Branch – MOD

Implement Integrated Documents Management System to create paperless environment solution composed of the following advanced services:

- Workflow services.
- eSignature services.
- Content management services.
- Customized auditing services.
- Follow up services.

The Document Management and Paper less solution successfully managed to reduce the cost of the daily operations of paper based documents and reduce the time consumed in conventional workflow processes to more than 75% of the yearly total cost. Moreover, its managed to save man/hour productivity more than 50%. of the regular daily working man/hours.

The Workflow Solution considered to be the greatest achievement ever in the last 10 years in the history of the Egyptian Ministry of Defense, which led to award me the acknowledgment of the MOD's officer of the year 2004.

01/01/1998 – 01/01/1999 – Cairo, Egypt

IT security administrator

IT Branch – MOD

Responsibility:

Plan and carry out security measures to protect information and data from unauthorized access, deliberate attack, theft and corruption.

Main Activities:

- Administrate Enterprise systems (UNIX based OS).
- Administrate Enterprise Network Management System.
- DBA (Informix, Oracle and MS SQL)
- Administrate High Available Database Systems
- Administrate Disaster Recovery Systems

Implement and deploy advanced Security Policy using the latest state of the art technology in security systems such as:

- Digital Certificates Authority services.
- Asymmetric/symmetric advanced Encryption VPN.
- Biometric Authentication.
- Next Generating and Application FW Implementation.
- IDS and IPS with anomaly detection.
- Security Assessment and Analysis.
- Sniffers, SIEM and Network Scanning.
- OS Hardening and Servers Access Control.
- High Security Policies Deployment.
- Enterprise antivirus solutions.

01/01/1996 – 01/01/1998 – Cairo, Egypt

Software Engineer and Systems Developer

IT Branch - MOD

Responsibility:

Designing Database Systems using Oracle, Informix and Microsoft SQL databases and Programming and developing customized algorithms using different programming languages such as C, C++, C#, VBA, Visual Basic and SPL. Moreover, using APIs to integrate different platforms.

Main Activities:

- Design, deploy and Implement the first web based application in the MOD using Informix web data blades technology.
- Developing customized encryption modules using advanced algorithms.
- Programming a secure chatting program over non secure networks.

EDUCATION AND TRAINING

28/01/2022 – CURRENT – Campolide Campus, Campolide, Portugal

Ph.D. Candidate

NOVA Information Management School

<https://www.novaims.unl.pt/>

01/09/2019 – 27/01/2021 – Campolide Campus, Lisboa, Portugal

Ph.D Student

NOVA Information Management School

Field(s) of study

- Information Security
- Information Systems
- Identity Management
- Mobile identity protection
- Digital trust and privacy

<https://www.novaims.unl.pt/>

01/09/2014 – 01/01/2018 – AUC Avenue, off 90th street, 5th settlement, New Cairo, Cairo, Egypt

Master of Computing

American University in Cairo - School of Sciences and Engineering

Graduate with Higher Honor in Computer Science with GPA 3.6.

My Graduation Project was Securing Paper based Document Management Systems using QR systems and my thesis was Anomaly Detection using Data Mining and Machine Learning.

Field(s) of study

- Computer science
- Distributed Security Systems

A | Anomaly Detection using Data Mining and Machine Learning. | [h
tps://www.aucegypt.edu/](https://www.aucegypt.edu/)

01/07/1990 – 01/07/1995 – Ismail Al Fangari, El-Qobba Bridge, Al Waili, Cairo Governorate, Egypt, Cairo, Egypt

Bachelor in Computer Engineering

MTC - Computer Engineering Department, Electronic Engineering Divison

<http://www.mtc.edu.eg/mtcwebsite/>

LANGUAGE SKILLS

MOTHER TONGUE(S): Arabic

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
C2	C2	C2	C2	C2

DIGITAL SKILLS

Microsoft Word / Microsoft Excel / Outlook / Microsoft Powerpoint / Google Drive / Google Docs / Facebook / Instagram / Zoom / Microsoft Teams / Power Point / Written and Verbal skills / Organizational and planning skills / Social Media / Decision-making / Team-work oriented / Analytical skills / Motivated / Presenting / Reliability / Good listener and communicator / Conflict resolution / Strategic Planning / Critical thinking / Creativity / Research and analytical skills / Detail-Oriented / Responsibility