

# Ahmed Hassaan

Software Engineering Leader

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A seasoned **Software Engineering Leader**, with a "**Mini-MBA**" from the "European Institute of Leadership & Management - Dublin, Ireland" in IT Management, and a Data Management Leader with more than 18 years of practical experience in the field of systems development, systems architecture, backend systems and advanced analytics. With a proven track record of successful revenue generating mega projects serving millions of users for Microsoft and big Telecom Operators.

## Work Experience



### Senior Engineering Manager

Mar 2024 – Present

- Managed a team of Full Stack Software Developers at Microsoft Egypt, working on the Microsoft Advertising Platform <https://ads.microsoft.com>.
- Led the development of scalable solutions using technologies like C# .NET, React.js, and SQL Server.
- Implemented Alerting & Monitoring systems to ensure the platform's stability and performance.
- Collaborated with cross-functional teams to deliver solutions that serve millions of users worldwide.
- Utilized multiple services of Azure Cloud, like (Azure Data Factory, Event Hubs, Storage Blobs, and Cosmos)



### Software Engineering Manager

Feb 2022 - Mar 2024

- Country Hub Leader for Unifonic Egypt's branch
- Managing multiple software development squads to deliver large scale, cloud-based products  
AI/ML – NLP | Full Stack (Java + Angular) | Data Engineering
- Leading the hiring, training, and performance reviews for software development teams
- Responsible for enhancing engineering KPIs by introducing changes to Software Development Process
- Involved in M&A technical due diligence



### Leading the Data Management & Operations

Jul 2021 - Feb 2022

- Leading a transformation project to Merge DWH & Data Lake into a common Hybrid Data Platform
- Developing and managing Data Virtualization, Modeling, and Reporting tool stack
- Orchestrate the merge and implementation of a common infrastructure to serve CEM, CVM & CBM
- Provide Real Time triggers & a DXL layer for Digital Channels
- Apply Data Governance, and Operations best practices

### Senior Manager Data Lake and Analytics

Apr 2019 - Jul 2021

- Reporting to Digital Transformation VP / CDO to adopt data lake and big data technologies in Orange Egypt
- Guide the design of corporate data lake to enable business with wide spectrum analytics
- Design and implement online/real time use cases using big data eco-system
- Orchestrate the merge and implementation of a common infrastructure to serve CEM and DWH
- Responsible for vendor management, market gap analysis, and adoption of modern data processing technologies
- Responsible for security and data governance of corporate data lake



### Group Software Expert

Feb 2015- Sep 2021

- Remotely consulting on Software, and big data related topics for Orange Group community
- Attend international conferences and seminars to align targets and share problem solutions across the group
- Align on best practices of systems architecture, information systems design patterns and security
- Setting technology standards and best practices of Big Data tools and use cases across Orange Group



## **Mobinil**

### **Advisor Software Engineering - QoS**

Apr 2014 - Apr 2019

- Technical Software Engineering Lead.
- Technology advisor, guiding RFPs of QoS new platforms acquisition and adoption.
- Big Data (Hadoop-Storm-Kafka-Redis-Hortonworks Data Platform) Cluster Administration and Development.
- Projects:
  - Campaign Management System for 35M+ Subscribers.
  - Location Based Advertising System based on Mobile Network Geo-Location.
  - Customer Experience Management Platform. aggregating 10TB+ data per day from network probes Building BI Systems for reporting and alarming.
  - Member of Big Data Common Core Work Group for Orange France Setting technology standards and best practices of Big Data ecosystem tools and use cases across Orange Group

### **Senior Software Engineer**

May 2013 - Apr 2014

- Technical Project Manager for Customer Experience Management tool.
- Automating Network Quality of Service Environment.
- Building Custom Tools to enhance E2E customer Experience.
- Building BI Systems for reporting and alarming

### **Software Engineer**

Jun 2010 - Apr 2013

Automating Network Quality of Service Environment. Building Custom Tools to enhance E2E customer Experience.  
Building BI Systems for reporting and alarming



## **Motorola Solutions**

### **Software Engineering Consultant**

Jun 2009 - Jun 2010

Worked as a consultant for Telecom specific custom solutions. Automating Reporting/Alarming tools, and building BI Systems. Building custom tools for managing Network Quality of Service.



## **Mobisoft Solutions**

### **Software Developer (ASP.Net/C#)**

May 2009 - Jun 2010

[Part Timer] Developing Software Solutions (mainly web solutions) for:

- Petronas HR Management System
- Attendance Systems
- WebSite administration tools
- Exam Systems (Education Entities)



## **Presidency of Egypt - IT Center**

### **Software Developer (ASP.Net/VB)**

Dec 2007 - Jun 2009

- Developing ERP systems using full stack ASP.Net technologies
- Handling millions of records in Oracle Database

## **Core Skills**

Engineering Leadership | Leading Development Teams | Software Engineering Management | People Management | Executive Management | Software Architecture | Data Governance | Data Science | Data Visualization | Big Data Analytics | Data Engineering | .Net | C# | Java | Python | MVC | Rest API | Full Stack | HTML5 | CSS3 | Bootstrap | Javascript | AWS | Azure | Kubernetes | Big Data | Hadoop | Spark | Flink | Kafka | Nifi | Airflow | Grafana | Metabase | SQL (Oracle, MySQL, SQLServer, Terradata, Elastic, PostgreSQL, Vertica) | ClickHouse | Qlikview | Data Modeling | Data Architecture

## Education



**European Institute of Leadership & Management - Dublin - Ireland**

**Mini-MBA in IT Management**

Aug 2023

Credential ID: [8570-169-124-6754](#)



**Ain Shams University**

**BSC Computer Engineering**

Jan 2002 - Jun 2007

Grade: Very Good

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## Workshops and training courses attended:

### Training courses:

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|--|---|
| - Microsoft Learning, Situational Leadership SLII                        | 2024                                    |
| - Coursera - Open-Source Software Development, Linux and Git             | 2024                                    |
| - eCornell University - Leadership Development Track                     | 2023                                    |
| - Orange Leadership Academy:   |   |
| - Speed of Trust-Covey   | - Situational Leadership                |
| - Managers Role in Employee Engagement                                   | - Dynamic Delegation and Great Feedback |
| - Strategic Thinking   | - Adaptability & Change Management      |
| - Finance for non-financers  |   |
| - Big Data Specialist   IBM Africa Technical Academy                     |   |
| - Machine Learning & Python, Markov                                      |   |
| - QlikView ( Server, Publisher, Design & Development)                    |   |
| - Developing Web Applications with Microsoft Visual Studio 2010 MS-10264 |   |
| - Red Hat Linux System Administration I RH124 & II RH134                 |   |

### Conferences / Seminars / Workshops / Events

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|--|------|
| - Sprints.ai, Bootcamp Graduates Retreat               | 2024 |
| - iCareer, Summer Camp, Mentor "Advanced Analytics"    | 2021 |
| - AI Africa Week, Speaker "Data, the core piece of AI" | 2021 |
| - Cairo ICT, Speaker "AI & Advanced Analytics"         | 2020 |
| - Eitesal.org, speaker "AI: Industry Challenges"       | 2019 |
| - Orange CXT award, Bermuda                            | 2018 |
| - Big Data Paris 2016 Congrès Expo, Paris France       | 2016 |
| - Orange CEM/NMS RFP, Paris France                     | 2013 |
| - Orange CEM conference, Warsaw Poland                 | 2012 |
| - Orange IIF award, Bucharest Romania                  | 2012 |
| - Orange ITN award ceremony, Madrid Spain              | 2011 |
| - Orange CEM initiative conference, Paris France       | 2011 |

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## Languages

Arabic	Native
English	Excellent (Listening – Speaking – Reading – Writing)
French	Essentials