|  |
| --- |
| **Haytham Salah Hedeya**  **Objectives:** A qualified **Computer Engineer** and a senior IT Professional, with Management (MBA) qualification, seeks Executive level leadership challenges in all facets of IT Management, shaping Strategies and Initiatives to Drive Comprehensive Growth  51, Ashgar District, 6th of October, Giza, Egypt |
| Mobile: **+20 1006209384** / Land Line: **+20 238870104**  E-mail: **haytham.salah@gmail.com** |

**Sr. Product Manager - AI**

**My Journey So Far:** An all-round **IT Operation & Project Management and Software Development Professional** having rich & insightful experience of 29+ years, with various global multi-national IT corporate organizations, in diverse functions of IT Management including Technology Management, day-to-day Operations, define & enforce Strategy/Policy/Procedure, Project (in-house/outsourced) Management and Software Development management (especially Electronic Design Automation Software).

**Profile**

**Functional Skills:**

* **Software Development Life Cycle -** Analysis & Study of Business Requirements, Technical & Functional Specifications, Data/Interface/Process Design, Module/Interface Development, Testing, Integration, and Implementation
* **Team Leadership** - Planning, Tasking, Scheduling, Monitoring, Assessing, Skill Upgrade, Issue Resolution, Motivating, Mentoring, and Training
* **Project Management -** Initiation, Requirement Analysis & Finalization, Project Scoping, Planning (Estimation, Scheduling & Milestones), Quality & KPI Monitoring, Risk Management, Communication between project stakeholders, Execution Control, and Delivery
* **AI Hands-On Experience –** Completed more than 20 courses on the LinkedIn Learning Platform, besides other courses on other platforms, covering topics such as Generative AI, AI Agents, Agentic AI, and Machine Learning. Participated in different initiatives to apply AI at work and with our customers to enhance efficiency and productivity
* **IT Operation Management -** Achieve business objectives through the effective & innovative use of IT; Defines/Enforces Strategies & IT Roadmaps to align corporate objectives; Identify & Mitigate IT-related risks at an acceptable level; Budgeting & Cost Optimization; Compliance of relevant laws, regulations, contractual agreements, and policies
* **IT Service Management -** Infra-structure, Databases, Systems & Network Management for Complex IT and Network Operations; Monitoring & Ensuring Availability & Continuity of IT Services; Policy Definition, Implementation, Administration & Support of IT Assets as well as Monitoring of behavior of Devices, Links, and Services, etc.
* **Team Player** - Fast Learning Curve and Strong Analytical, Decision Making, Problem Solving, Planning, Innovation, Collaboration, Communication, and Interpersonal Skills

**Accomplishment:**

* **US Patent (US 7,574,683 B2) -** Invented a new method to fix one of the customers’ problems in designing power domains - **Automating Power Domains in Electronic Design Automation.** This was a novel way to support the automation of designing power domains.

**Career History**

**Avelabs LLC, Cairo, Egypt**

Chief Engineer (Oct 2017 onward)

**Accountability:**

* In my role with Avelabs, I managed different projects, teams, and activities with many of our customers:
  + R&D team working with Tier-1 supplier in USA on their Software Download and Over-the-Air (SWDL & OTA) component as part of their ADAS ECU. The team had up to eight engineers.
  + R&D team working with Tier-1 supplier in USA on their HW Manager component responsible for the IO stack. The team had up to ten engineers.
  + R&D team working with a Tier-1 supplier in Germany to automate their HIL (Hardware-In-the-Loop) testing and validation for various projects and with HIL systems from different vendors (dSpace, Vector, and NI). I grew the team from three offsite engineers to nine engineers (two of them on the customer site).
  + R&D team working with a Tier-2 supplier in Germany in an ADAS (Advanced Driver Assistance System) and developing the software controlling and testing the ECU (Electronic Control Unit) responsible for different radars and cameras in the vehicle. The team ranged between 10 and 16 engineers across the different phases of the project.
  + R&D team working with a Tier-2 supplier in Sweden on a truck ADAS ECU project. The team consisted of five engineers.
  + Validation team working with a Tier-2 supplier in the USA on validating an ADAS project for one of the large OEMs in the USA. The team consisted of eight engineers.
  + Validation team working with a Tier-2 supplier in Germany on cybersecurity for an ADAS project.
  + The team consisted of six engineers.
  + Consulting group in Europe to provide on-site consulting services for our customers in Germany and Sweden.
* The projects were using Scrum most of the time, and some of them were using AutoScrum.
* The projects and teams I managed serviced several large automotive OEMs, mainly: two US OEMs, two Swedish OEMs, one German OEM, one Japanese OEM, and one Chinese OEM.
* Responsible for the effort estimations, project management, whether T&M or fixed-cost projects, customer relations, account management in general, and people management.

**Royal Gardens, Cairo, Egypt**

Operations Director (Jan 2016 – Sep 2017)

**Accountability:**

* In this role, I reported to the CEO and led a team of more than 40 employees in setting up an e-commerce retail distribution (mobile and web platforms) startup from scratch.
* My role included defining strategy, budget, and facility requirements for IT infrastructure deployment, as well as ERP system selection & deployment, e-payment solution selection, chart of accounts creation, selection of a call center & defining its operational rules, planning & recruitment of required resources, and management of the implementation.
* The operation facility started running in April 2017 from the first warehouse in Zayed.
* Managed the development of the website ([https://www.fakahany.com](https://www.fakahany.com/)) as well as the Android and iOS mobile app “Fakahany.”
* Managed all the IT, accounting, call center, warehouse, logistics, and delivery teams.

**Mentor Graphics Corporation, Cairo, Egypt**

Engineering Manager (Aug 1999 to Dec 2015)

**Accountability:**

* Initiated the engagement with this Solution Provider (Worldwide Electronic Design Automation Software Supplier) as Development Engineer, progressed as Team Lead/Project Manager and finally as Engineering Manager.
* Last reported to the GM/Engineering Director and led a team of up to 10 resources for development and delivery of multiple projects (involving several enhancements and bug fixes).
* Managed the initiation of Questa/ModelSim (a digital simulator in the HDL digital simulation market) R&D team in Cairo. The team owned code/functional coverage, verification management, and licensing developments.
* Responsible for analysis of product/solution requirements and defined software strategies for suitable design & development of new product for the market.
* Involved in technical leadership & mentoring for the engineering team, ensuring effective productivity to deliver highly complex features of the products, on time.
* Spearheaded effective management of the development of parts of the product that was outsourced to Russian/Pakistani teams and improved efficiencies & engineering excellence of the team.
* Engaged in oversight & leadership of different analysis, design, and development phases of all releases of one of the products (Platform Express).
* Supported initiation of the SPIRIT IP-Xact XML standard from within the team, that later formed an IEEE-1685 Standard.
* Participated in enhancement of the second product (Questa/ModelSim) as well as resolution of several errors/bugs and led the release management of enhanced versions
* Performed daily team administration routines as well as team development and people management activities to improve team productivities.

**Achievements:**

* Received **US Patent** on designing power domains that has later served as the basis for the UPF industry standard.
* Initiated and delivered **two successful new products** to the market
* Over the course of seven years, led the team to **finish & deliver 29 projects** involving **586 KLOC**, while **resolving 929 enhancements and bug reports**

**IBM World Trade Corporation, Cairo, Egypt**

IT Specialist/Software Developer (Jul 1996 to Jul 1999)

**Accountability:**

* Initiated the IT career with this Global IT Provider as Software Developer and progressed as an IT Specialist. Reported to the Engineering Manager as an individual contributor for the development of two products (dtterm and the 3270/5250 emulator clients) for bidirectional text enablement. Created two bidirectional enablement engines, one of which is a Unicode engine and both are used in a number of IBM's operating systems like AIX, OS/400, and OS/390.

**Qualification**

**Education:**

**M.B.A. (Technology Management)**, from Walden University, USA (2014) with **GPA: 4.0**

**B.Sc. (Electrical & Electronics Eng. - Computer and Control)**, from College of Engineering, Cairo University (5 years/1996) with **Distinction with Honorary Degree**

**Accreditation:**

Beyond Vibe Coding with Google Gemini: Become a Deliberate Developer

Machine Learning Foundations: Statistics

Machine Learning with Python: Foundations

Machine Learning with Python: Decision Trees

Machine Learning with Python: k-Means Clustering

Applied Machine Learning: Algorithms

Preparing Your Organization for AI Agents

Introduction to Agentic AI: Getting Started with AutoGen Studio

AI Coding Agents with GitHub Copilot and Cursor

Build AI Agents and Automate Workflows with n8n

Building AI Agents with AutoGen

Prompt Engineering: How to Talk to the AIs

Nano Tips for Using AI to Boost Productivity for Any Role with Rachel Woods

AI Productivity Hacks to Reimagine Your Workday and Career

Discover Possibilities of Generative AI

Generative AI for Business Leaders

Hands-On AI: Build Your Own GPTs

Predictive Analytics Essential Training: Data Mining

Generative AI: Working with Large Language Models

Advanced Python

PyTorch Essential Training: Deep Learning

What’s Generative AI?

Mastering Agile Scrum Project Management

Advanced Project Management

Change Management Workshop

Workshop on Software Planning and Management

Workshop on Clear Case Essentials and Metadata

Using Six Sigma

Java Development,

AIX. Advanced Administration

System-C & T.L.M.,

System-Verilog

Emotional Intelligence

Negotiation Skills

Effective Communication Skills

Effective Presentation Skills

Continuous Performance Appraisal, Performance Management, and Coaching for Results

Measuring for Performance-Driven Improvement

Organizational Learning and Innovation for Sustainable Future Workshop

Joined MENSA International in 2001

**Technical Skills:**

**AI:** Python, Agentic AI, Vibe Coding, TensorFlow, VS Code AI extensions, Anaconda, Jupyter Notebook

**Operating Systems**: Windows, Linux, UNIX

**Languages:** C/C++, Java, Java-RPC, VHDL, System Verilog, System-C, SQL, Shell scripting, Tcl/Tk

**Design Methodologies:** Design Patterns, Use Case Analysis, Anti-Patterns, UML, CRC cards

**Development Tools:** Eclipse

**Version Tools:** Github, CVS, Perforce

**Competence:** Extreme Programming

**Languages/Technologies:** XML, XML Schema, XPath, XSLT, DTD, JAX-WS, WSDL, JNI, Angular.JS, Node.JS, AOP, SOAP

**Modeling technique**: TLM

**Personal Details**

Date of birth: 30-07-1974

Languages known: English and Arabic

Nationality: Egyptian

Passport Details: A17063783 (valid till 12-12-2022)

**Project Summary (Select)**

|  |  |
| --- | --- |
| **Project** | **Royal Gardens kick-off** |
| **Client** | Local Fresh Food Distributor (Egypt) |
| **Duration** | One and a half year |
| **Team Size** | 20 |
| **Environment** | C, JavaScript, JSON, HTML5, CSS, PHP, Taiga |
| **Details** | Building a new start-up company that will enable one of the large fresh food distributors in Egypt to reach end customers directly without the need to deal with local grocery shops in Cairo. The solution contains online ordering through mobile and web interfaces as well as call center delivery options for the users. |
| **Responsibilities** | Operations Director - Setting up the recruitment, facility, infrastructure, and operations’ activities for the new start-up. |
|  |  |
| **Project** | **Code Coverage Analysis Window** |
| **Client** | ARM (UK) and AMD (US) |
| **Duration** | Two years |
| **Team Size** | 2 |
| **Environment** | Linux, Windows, C, Tcl/Tk, Eclipse, Perforce |
| **Details** | Our tool had seven windows to convey different code coverage information. The purpose of the project was to reduce this to a single window that would convey the same information in a more user-friendly manner. When done, the project was applauded as the most used window of all the 54 windows in the tool. |
| **Responsibilities** | Engineering Manager - Individually contributed in the critical parts of this project |
|  |  |
| **Project** | **HTML Coverage reporting** |
| **Client** | Qualcomm (US) |
| **Duration** | One year |
| **Team Size** | 3 |
| **Environment** | C, JavaScript, JSON, HTML5, CSS, Tcl/Tk |
| **Details** | The project target was to make efficient HTML reports for the code coverage and verification management information to the user. The use of JSON for representing the coverage data reduced the data needed on disk substantially. The project was delivered on time, and the customer appreciated the output since it had superior performance against competition |
| **Responsibilities** | Engineering Manager - Besides managing the operation of this project, guided the team through all phases of the project. |
|  |  |
| **Project** | **Platform Express** |
| **Client** | Philips (The Netherland) |
| **Duration** | Two years |
| **Team Size** | 6 |
| **Environment** | Java, Eclipse GUI, XML, XSLT, Subversion |
| **Details** | Platform Express was a tool to provide electronic design customers like Philips with means to start their design at a very high-level concept and walk them through the design phases until they have a working hardware/software working design using a library of available IPs. |
| **Responsibilities** | Engineering Manager - Started as one development engineer in the team in Cairo progressed as team lead, project manager and finally an engineering manager. |
| * Increased the team capacity from one to six subordinates - four developers, one QA, and one pre-sales engineer. |
| * Taking responsibility in effectively managing parts of the product that were outsourced to Russian and Pakistani teams. |
| * A major contribution to the different analysis, design, and development phases of all releases of Platform Express. |
| * Helped initiate the SPIRIT IP-Xact XML standard from within the team. Now an IEEE-1685 Standard. |

**Other Projects:**

* **BIDI (Bidirectional) Development** - Design and implementation of a dynamic library to be used for bidirectional text layout. Currently being used in several IBM's operating systems, namely: AIX, OS/400, OS/390, and NetworkStation, implemented using C/C++ and Java. Bidirectional text enablement for "dtterm" terminal window that is used in all CDE versions of different UNIX vendors.
* **TPMS (Translation Planning and Management System)** - Analysis and Design of a new tool to manage the communications between IBM's different branches in the world for translation planning of all IBM's products. Participated in a prototype implementation for the translation planning project using VisualAge C++ and DB/2 as the DBMS for the project.