

HAMZA FAYZ FATHY

ERP Operational Intelligence Lead

Dynamics 365 F&O | ERP Transformation | Governance | Analytics | Intelligent Automation

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[LinkedIn](#) | [Portfolio](#)

I design governed ERP operating systems that connect Procurement, Inventory, Finance, Projects, and Cost Control into clear decisions, stronger controls, and scalable execution.

ERP TRANSFORMATION

Turn fragmented operating practices into governed ERP cycles and usable controls.

ANALYTICS & DECISION SUPPORT

Build reporting layers that connect OData, Power BI, Excel, and Python into one management view.

CONTROLS & AUTOMATION

Reduce manual chasing with workflows, structured document handling, notifications, and recurring reporting.

EXECUTIVE PROFILE

ERP Operational Intelligence Lead with 10+ years across Microsoft Dynamics AX 2012 and Dynamics 365 Finance & Operations. I translate business operations into governed ERP processes, structured data models, decision-ready reporting, and targeted automation. My work sits at the intersection of implementation, transformation, process control, and business visibility—combining D365 process design with Power BI, OData, Python, workflows, document handling, and cross-functional enablement across Procurement, Warehouse, Finance, Projects, HR, Budget, and Cost Control.

CURRENT FOCUS

Building practical intelligence layers on top of ERP data, combining structured reporting, automation, and machine learning concepts to deliver faster operational summaries, exception visibility, and natural-language business querying across Procurement, HR, Projects, and Cost Control.

DIRECT LINKS

[LinkedIn profile](#)

[Portfolio \(English\)](#)

PROFESSIONAL EXPERIENCE

Mid Arabia Contracting — Saudi Arabia

Technical Lead – ERP & Business Intelligence (D365 F&O) | Feb 2025 – Present

- Led the move from Excel-driven tracking into governed D365 F&O operations across HQ and project sites, improving process discipline and visibility.
- Redesigned WBS and reporting structures to strengthen traceability between budgets, activities, commitments, actual costs, and cost-center logic.
- Built D365 OData, Power BI, and Python reporting pipelines to monitor project costs, inventory movement, vendor payments, procurement cycle performance, and cross-functional exceptions.
- Translated business requirements from Procurement, Warehouse, Finance, Budget, HR, and Project teams into workable ERP processes, controls, and reporting logic.
- Designed operational follow-up and notification workflows— including structured approval messaging and HTML-based communication patterns— to reduce manual chasing and improve visibility across bottlenecks.
- Enabled warehouse and site users with simplified data-entry approaches, process guidance, and control methods that reduced operational errors and improved adoption.

Concord for Engineering — Cairo, Egypt

Dynamics 365 Developer & Technical Lead – ERP (AX 2012 / ERP Operations) | May 2014 – Oct 2024

- Supported end-to-end ERP lifecycle work across AX 2012 environments, including implementation support, business requirement translation, migration readiness, cutover support, and operational stabilization.
- Worked across Procurement, Finance, Projects, and supporting functions to convert business operations into system workflows, analytical dimensions, and usable reporting structures.
- Handled ERP technical readiness across AOS, IIS, SSRS, SQL Server, job monitoring, and performance troubleshooting in on-prem environments.
- Participated in high-availability and failover-oriented environment design, including clustering concepts for AOS, reporting, and database continuity.
- Built backup, restore, and recovery routines to reduce downtime and support business continuity during incidents.
- Delivered training, documentation, and user-facing guidance that helped non-technical teams work through system processes more accurately and consistently.

SELECTED TRANSFORMATION PROJECTS

Daily Progress & Cost Center Alignment Platform

Designed and built a web-based project follow-up platform that aligns site execution progress with cost-center structures, enabling unified tracking across physical progress, procurement activity, invoices, and material flow.

WBS-Based Cost Control Automation Engine

Built Python-driven reporting logic to consolidate committed costs, expenses, and item transactions into structured hierarchy-based Excel outputs for faster project cost visibility.

Invoice Intake & Approval Automation Tool

Created a document-driven workflow that captures invoice data, structures key fields, routes submissions through review and approval, and prepares data for downstream finance processing.

HR Document Structuring & Workforce Intelligence Automation

Organized CVs, certificates, and employee-related files into structured datasets for skill visibility, hiring analysis, and workforce reporting.

Operational Alerts & Exception Visibility

Defined rule-based monitoring logic for stuck transactions, budget exceptions, unusual pricing or tax patterns, and approval bottlenecks.

TECHNOLOGY STACK

- Dynamics 365 F&O
- Microsoft Dynamics AX 2012
- Project Management & Cost Control
- Procurement / Inventory / Warehouse
- GL / AP / AR / Financial Dimensions

- Power BI
- DAX
- Power Query
- OData / Data Entities
- Python / Pandas / openpyxl / pywin32

- SQL Server
- SSRS
- AOS / IIS
- Windows Server
- VMware / Hyper-V / backup / restore / HA concepts

TRAINING & CERTIFICATIONS

- Microsoft Dynamics 365 Applications Developer
- Data Science & Machine Learning
- Algorithms, Data Structures, and OOP Concepts
- Computer Science Foundations

ADDITIONAL VALUE

- Strong cross-functional execution across Procurement, Warehouse, Finance, Projects, HR, Budget, Cost Control, and site operations.
- Able to move from business diagnosis to ERP cycle design, reporting structure, user enablement, and automation in one delivery profile.
- Comfortable bridging functional operations, technical readiness, data visibility, and management decision support.