HAMZA FAYZ FATHY

Dynamics 365 Finance & Operations Technical Lead | ERP Automation & BI

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PROFESSIONAL SUMMARY

Technical Lead specializing in Microsoft Dynamics 365 Finance & Operations (D365 F&O), ERP modernization, and data-driven cost control. Experienced across the full ERP lifecycle (AX 2012 to D365 cloud), with strong delivery in Project Accounting, Procurement, and Inventory operations. Builds pragmatic automation and analytics solutions using Python, SQL, OData, and Power BI to convert fragmented operational data into management-ready insights, including WBS-based budget governance, actual vs budget tracking, and proactive financial/operational alerting.

CORE SKILLS

- Dynamics 365 F&O: Project Management & Accounting, Procurement & Sourcing, Inventory/Warehouse, approvals and workflows
- Cost control: WBS structuring, budget governance, actual vs budget, commitments and operational controls
- Data & BI: Power BI, DAX, semantic modeling, reconciliation and audit reporting, KPI dashboards
- Integration & automation: OData, Python (Pandas), process automation, notification/dispatch solutions
- Technical: SQL, X++, environment management (LCS), DevOps fundamentals, documentation and user training

PROFESSIONAL EXPERIENCE

Mid Arabia Contracting, Saudi Arabia
Technical Lead - ERP & Business Intelligence
Dec 2024 - Present

- Orchestrated transition from Excel-based operational tracking to a standardized D365 F&O environment across HQ and multiple project sites (including Aramco Stadium, KAFD, SEC power stations).
- Redesigned the Work Breakdown Structure (WBS) to enable granular budget control and real-time actual vs budget visibility, improving traceability of costs to activities.
- Integrated D365 F&O data via OData to Power BI and Python pipelines to deliver management dashboards (trial balance views, payment follow-ups, inventory and project cost monitoring).
- Developed a Python-based cost allocation and forecasting engine to model project outcomes before posting, supporting proactive decision-making.
- Designed automated PO dispatch and workflow notifications within F&O to improve turnaround time and reduce manual follow-up.
- Produced stakeholder-ready reporting and authored user manuals for Procurement, Inventory, and Finance; delivered structured training to end users.

Concord for Engineering, Cairo, Egypt
Dynamics 365 Developer & System Administrator
May 2019 - Oct 2024

- Led full-cycle technical migration from Dynamics AX 2012 to Dynamics 365, covering environment readiness, cutover support, and stabilization.
- Managed core system administration and performance work (AOS management, SQL tuning, operational reliability practices).

- Analyzed Finance and Procurement requirements and translated them into documented workflows and technical specifications.
- Authored user manuals and technical documentation for custom modules and processes, improving knowledge retention and reducing recurring support needs.
- Gained exposure to SAP environments for one year, strengthening cross-ERP data and integration perspective.

ADDITIONAL EXPERIENCE

UPS, Cairo, Egypt
Technical Support Specialist
Mar 2014

- Provided end-user IT support, resolving technical issues and supporting content management and process optimization.

SELECTED PROJECTS

- Mega-project D365 rollout (KSA): standardization of procurement, warehouse, and finance operations across remote sites.

- Automated financial reporting: built a Python-based future-cost simulation tool leveraging unposted journals and operational signals.

- Supply chain workflow design: improved inventory and planning workflows in AX 2012 manufacturing contexts to increase utilization and control.

TRAINING & CERTIFICATIONS

- Microsoft Dynamics 365 Applications Developer Course
- Data Science & Machine Learning Course
- Algorithms, Data Structures, and OOP Concepts (professional training)
- Computer Science Foundation (professional training)