

# Khalid Alabyad

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📄 Khalid-Alabyad | 🌐 khalid100000

## EDUCATION

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**University of science and technology in Zewailcity**

*Bachelor of communications and informatin engineering*

6th of October

*Aug. 2017 – Aug.2022*

## EXPERIENCE

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**Odoo Developer Team Lead**

*The Address Holding*

April 2024 – Present

*Egypt & UAE*

- Lead the Odoo development and implementation teams, supporting multiple clients across Egypt and UAE.
- Architected a real estate lifecycle system covering projects, phases, units, reservations, contracts, and installment tracking with property-specific templates and document generation.
- Built accounting customizations: cheque management pipelines, intercompany entries, partial reconciliation, multi-currency petty cash, and automated fiscal period locking.
- Developed HR and payroll modules: pay scale hierarchies, social insurance tracking, OCR for national IDs, ZK attendance integration, and end-of-service calculations.
- Designed REST API layers and integrations: Khazenly fulfillment (OAuth2, webhooks, HMAC), ShipBlu last-mile delivery, and ETA e-invoicing.
- Built data migration tooling and managed Odoo version upgrades ensuring data integrity.

**Freelance Odoo Developer**

*Multiple Clients*

2024 – Present

*Egypt, Saudi Arabia, UAE*

- Delivered custom POS solutions: order cancellation workflows, service charges, scrap management with analytic tracking, and role-based access control.
- Built a sales and distribution platform with SKU management, delivery slots, fleet tracking, and ZATCA e-invoicing for Saudi compliance.
- Developed a training and certification portal with course management, certificate generation, portal access, and payment gateway integration.
- Designed a vehicle inspection and repair system with job cards, quotations, booking, and timesheet tracking.

**Software Developer**

*Ulemt*

Aug. 2023 – April 2024

*Remote (Bulgaria)*

- Developed and optimized CRM, eCommerce, and website modules to enhance user experience and drive sales growth.
- Integrated Zoho and other APIs to streamline data collection and lead management across platforms.
- Managed deployment and maintenance of Odoo services on on-demand servers, ensuring high availability.

**Software Developer**

*Digizilla*

May 2023 – Aug. 2023

*Egypt – Nasr City*

- Customized Odoo modules across Sales, Purchase, Inventory, Project, CRM, Survey, and Accounting.
- Collaborated with implementation teams to design and deliver features aligned with client requirements.

## PROJECTS

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**Real Estate Lifecycle Platform** | *Odoo, Python, PostgreSQL, REST API, DOCX*

2024 – Present

- Property management system: projects, phases, buildings, units, reservations, contracts, and installment tracking with property-specific templates.
- DOCX report engine for legal forms and certificates, budget management, and webhook-based external communication with retry mechanisms.
- Resale reservation workflows, reservation annexes, and project-dependent record rules for multi-tenant access control.

**Enterprise Accounting & Financial Suite** | *Odoo, Python, PostgreSQL*

2024 – Present

- Cheque management pipeline with configurable stages, journal entries, reversals, and cheque splitting capabilities.

- Intercompany accounting with automatic cross-company entries, custom payment types with settlement accounts, and partial reconciliation.
- Vendor withholding tax, deferred expense/revenue handling, installment payment terms, and journal item tax breakdown reporting.

**POS & Retail Operations System** | *Odoo, OWL, JavaScript, Python* 2024

- POS system with order cancellation tracking, configurable service charges, and scrap management with analytic tracking.
- Granular access control: discount interceptors, warehouse/stock location restrictions per user, and picking type permissions.
- Multi-company product filtering, inventory adjustments with count sheets, and session-level reporting.

**HR, Payroll & Workforce Management System** | *Odoo, Python, OCR, ZK Integration* 2024 – Present

- Pay scale hierarchies, social insurance with history tracking, OCR for national IDs with Arabic text mapping, and DOCX certificates.
- ZK attendance integration, end-of-service calculations, contract expiry notifications, and salary gross-up.
- Document management, custody tracking, recruitment with franchise/UTM parameters, and headcount planning.

**Sales & Distribution Platform** | *Odoo, Python, REST API, ZATCA* 2024

- Sales platform with SKU management, order constraints, delivery slot assignments, and driver/fleet assignment on pickings.
- ZATCA e-invoicing for Saudi compliance, geography-based operating cities/neighborhoods, and backend push notifications.

**HONORS & AWARDS**

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**3d place in EVER Competition** 2021

*EVER EGYPT* *Pyramids of GIZA*

- The team was the 3rd place among 18 teams from different universities in Egypt and won a prize of 75,000 EGP
- I was the embedded systems engineer in the team

**Top 5 projects in FDC STARS Techathon** June 2022

*The Future of Data Centers* *Intercontinental Hotel*

- Our Project was among the top 5 teams to present their ideas in the FDC Stars Techathon

**TECHNICAL SKILLS**

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**Languages:** Python, JavaScript, C/C++, C# , Matlab, SQL ,html,css

**programming skills:** OOP, Data Structures, Algorithms, problem solving, competitive programming

**Data Science skills:** Big Data analytics(Hadoop,Spark),Data Analysis(Tablue,sql,MongoDB),Computer Vision(OpenCV,Sickit-Image),NLP(re,NLTK),Data Visulization(Tableau),AI algorithms(Machine learning,Neural networks,Deep Learning),Chat-bots(Rasa)

**Related Math Skills:** Linear Algebra, Probability and Statistics, Linear and Nonlinear programming

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Hardware:** Arduino, esp32, Raspberry pi

**Libraries:** pandas, NumPy, Matplotlib, keras,Open CV,spark

**Frameworks:** Odoo, FastApi, Flask, Django