



LavaLoon

Company Profile

Madness innovates the world

www.lavaloon.com

Explore LavaLoon!

Integration Focus: Connecting systems & solutions to optimize processes.



Solutions-Oriented Approach: Transforming business needs into practical solutions.



Saudi Arabia Expertise: Strong local presence for readily available support & services.



Leveraging Frappe: Building solutions on the robust Frappe framework.



ERPNext Integration & Implementation: Expert ERPNext integration for smooth project delivery.



About LavaLoon

LavaLoon empowers organizations across the GCC, Saudi Arabia, and Egypt to achieve operational excellence. We specialize in connecting and automating business processes through integrated software solutions and custom development. With a team possessing extensive combined experience serving government and enterprise clients, we deeply understand business needs and have strong technical expertise across diverse technologies, including Python, ASP.NET Core, Flutter, and SQL Server. We bridge the gap between business requirements and technical execution, delivering effective and efficient software solutions.

- **Deep Industry Knowledge**
- **Frappe Framework Experts**
- **Tailored Software Development**
- **Proven Track Record of Success**
- **Agile Development Methodology**
- **Dedicated Support and Maintenance**



Who We Are & What We Strive For



LavaLoon

Who We Are & What We Strive For



Mission

Bridging the gap between business systems with easy-to-implement, cloud-based integrations.



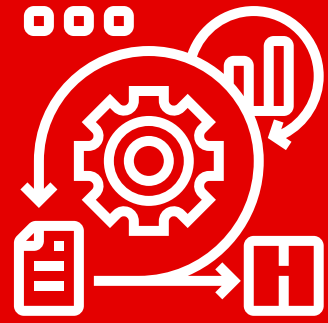
Vision

Global integration of leading software systems to empower businesses worldwide.



Culture

Empowering employee growth and fostering social responsibility.



AGILITY



**TIME & COST
EFFECTIVENESS**



**VALUE BASED
PERFORMANCE**



**LEARNING &
INNOVATION**



**BEING THE
MISSING LINK**



**GLOBAL
ACCESSIBILITY**

Who We Are & What We Strive For

Our Values

LavaLoon cultivates a collaborative environment where all stakeholders are essential to achieving shared success. From the core team and strategic alliances to clients and suppliers, each contributor plays a vital role in realizing the company's vision and goals.

Who We Are & What We Strive For

Our Story













Launched in 2017, LavaLoon leverages its founders' deep market expertise to simplify system integrations for businesses. Its flagship product, LavaDo, provides pre-built solutions to streamline operations and reduce the cost and complexity of connecting different systems.



LavaLoon and the Frappe Ecosystem

- **Frappe Experts:** Certified Partner & Market Leader in Saudi Arabia (ERPNext).
- **Tailored Solutions:** Custom applications built on the innovative Frappe framework.
- **Rapid Development:** Fast, customized solutions through active community engagement.
- **Default Integration:** The 'KSA Compliance' application by LavaLoon serves as the default ERPNext integration within Saudi Arabia's Frappe market.

PRODUCTS

 ERPNext Open source ERP	 Framework Web framework	 Cloud Frappe hosting
 Frappe HR People operations	 Learning LMS	 Insights Data analysis
 Wiki Documentation	 CRM Sales	 Gameplan Team forum
 Books Accounting	 Helpdesk Customer support	 Builder Website builder

Solving the Software Integration Puzzle: The LavaLoon Solutions

Before

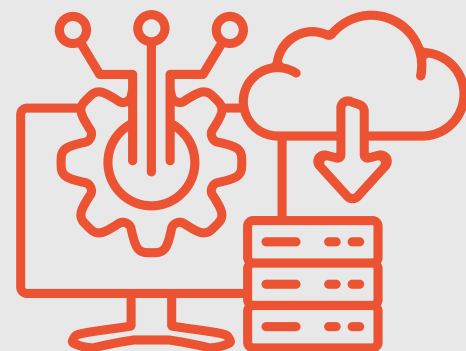
Diverse Business Needs

- Businesses rely on various software systems.
- Essential for diverse functions.
- (ERP, CRM, Etc...)



Traditional Integration - A Closed-Off Approach

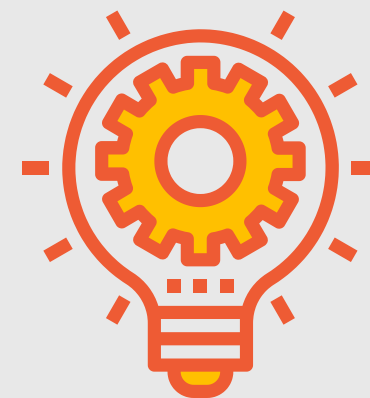
- Vendors prioritize their own systems.
- Limited, superficial integration.
- Deeper functionality ignored.



After

LavaLoon Advantages

- Streamlined processes.
- Improved efficiency.
- Centralized data.
- Reduced costs.
- Actionable insights.



The LavaLoon Solution - Open and Connected

- Pre-integrated for scalability & connectivity.
- Open architecture for rich integration.
- Works with existing and future systems.



LavaLoon

Lavaloon Solutions

Empowering Business Through Technology

Tailored Solutions

ERPNext

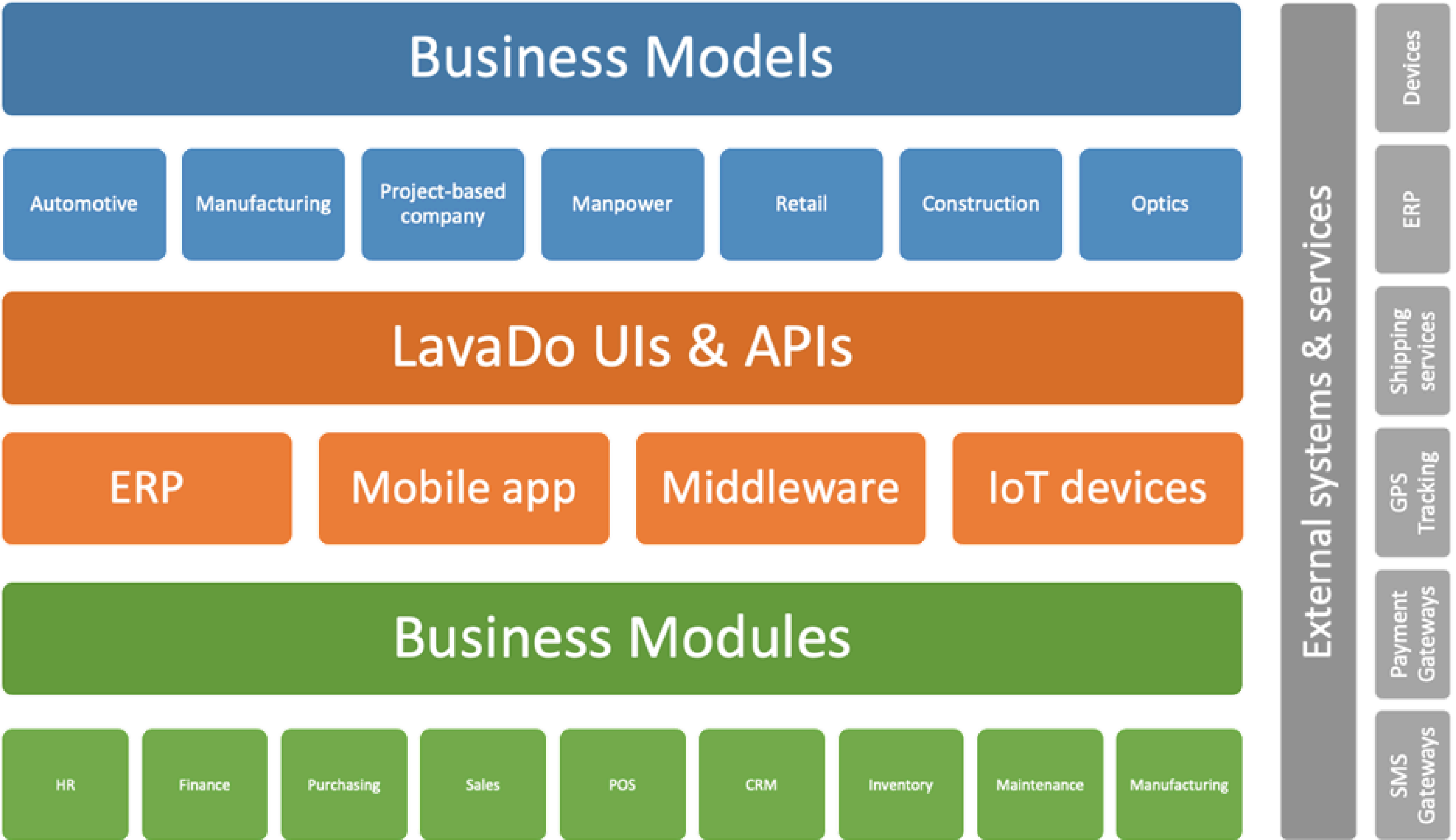


Integration Services

Support



LavaLoon solution architecture





Proven Delivery



**Recurring
Revenue Streams**



Global Expansion



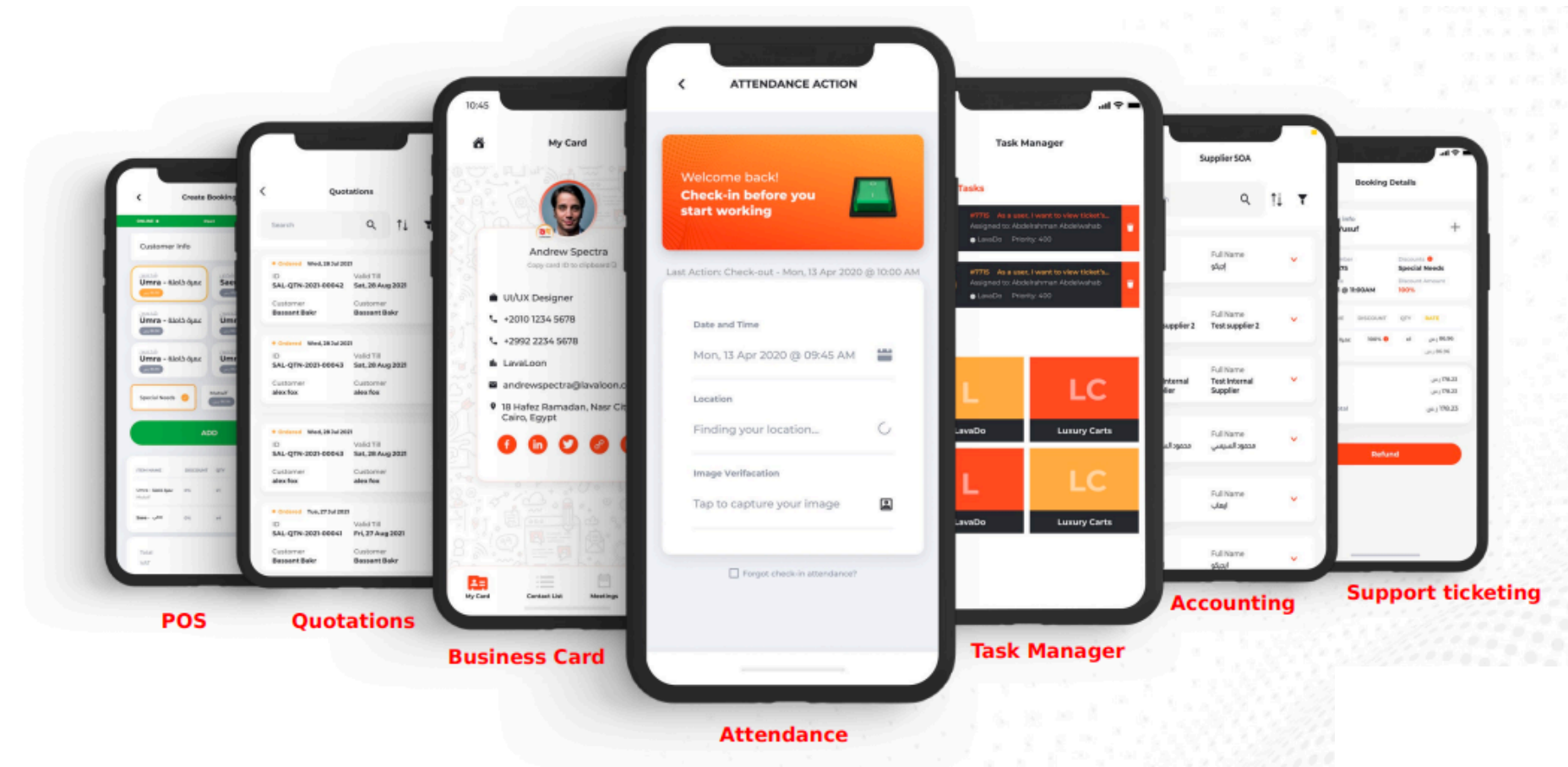
Visionary Roadmap



**B2B & B2C
Reach**



**Integrated
Growth Solutions**



LavaLoon Solution Strength Points

LavaDo delivers proven business growth solutions with a dual B2B/B2C market focus and recurring revenue streams. Our unique IP and established MENA presence are now driving global expansion into US and European markets, guided by a visionary roadmap.

ERPNext Services

Standard ERPNext Implementation & Support: LavaLoon provides comprehensive implementation and support services for standard Frappe applications, with a core expertise in ERPNext. We ensure seamless deployments and ongoing maintenance, offering Service Level Agreements (SLAs) to guarantee reliability and responsiveness.

Specialized Integrations: LavaLoon facilitates tailored integrations of ERPNext systems with various platforms and services.

- A prime example is our work integrating Tanaqol and Nusuk, enhancing data exchange and streamlining processes.



ERPNext Successful Implementation

Success Story: Streamlining Tanaqol Operations with LavaPOS, Lavahub, Frappe Framework & ERPNext

Leveraging LavaLoon's expertise, the integration of ERPNext with Tanaqol (electric carts) in Makkah resulted in precise, real-time tracking of vehicles through IoT device synchronization. This integration not only handled a massive influx of data—processing nearly 1 million user entries and 10 million vehicle transactions—but also ensured seamless operational efficiency for pilgrim assistance services. The success of this project highlights ERPNext's ability to manage complex logistics and data-intensive processes.



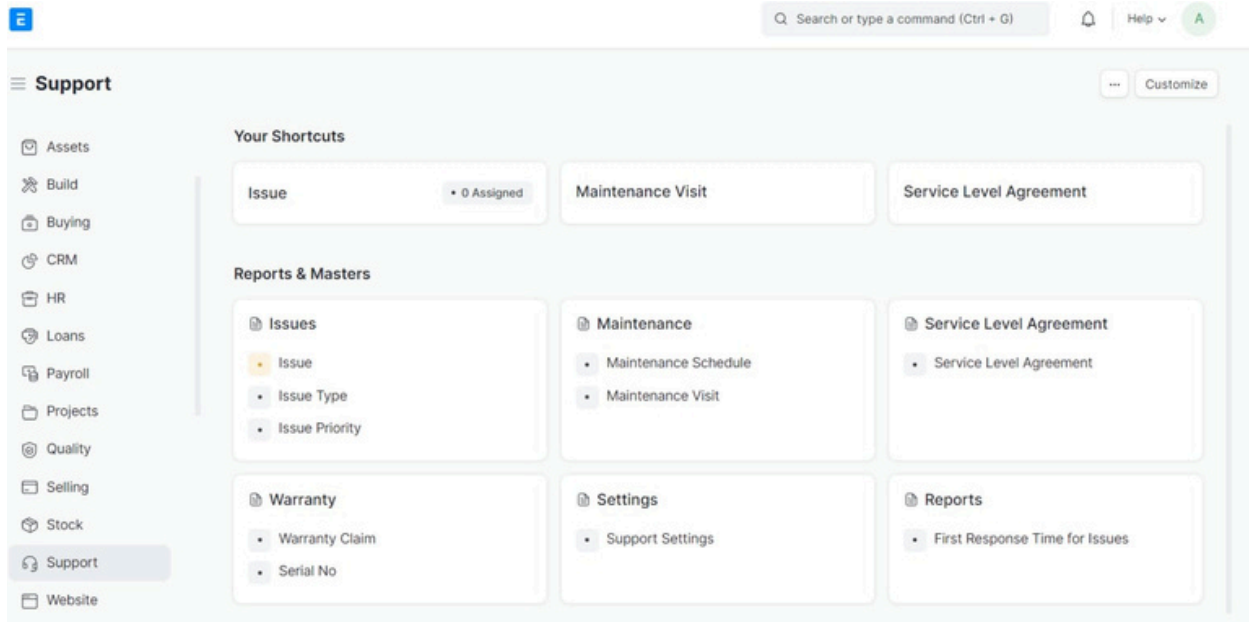
Success Story: Transforming Beverly Hills with Frappe Framework & ERPNext

LavaLoon's innovative ERPNext integration with Beverly Hills' website streamlined operations, enabling seamless management of complex project data. This digital transformation automated invoicing and online payments, eliminated manual errors, and empowered clients with dedicated portals for real-time invoice access, fostering transparency. Notably, the solution facilitated debt recovery dating back 14 years—a previously unachievable task—and allowed for customizable service offerings, demonstrating ERPNext's flexibility and impact on business efficiency and customer engagement.

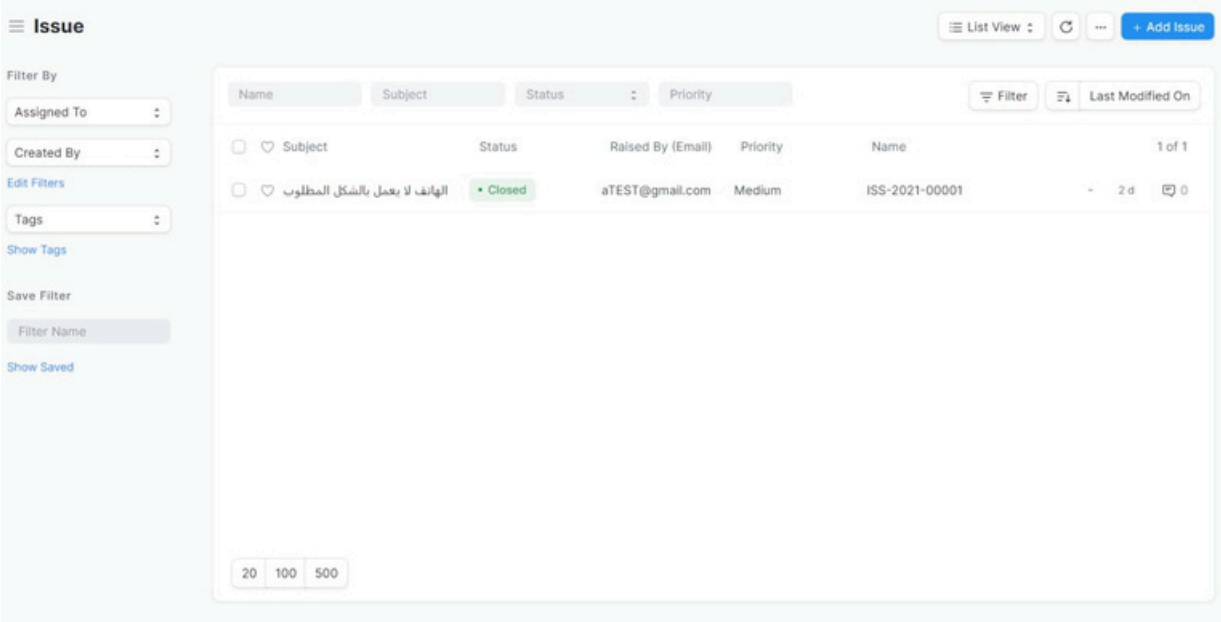


ERPNext Modules

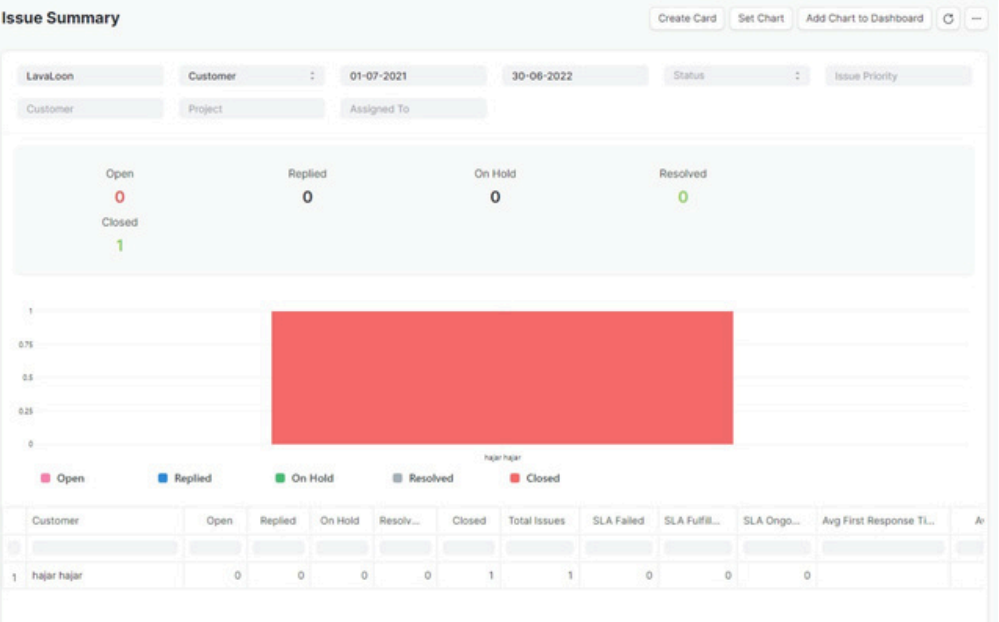
ERP’s desk



Support tickets



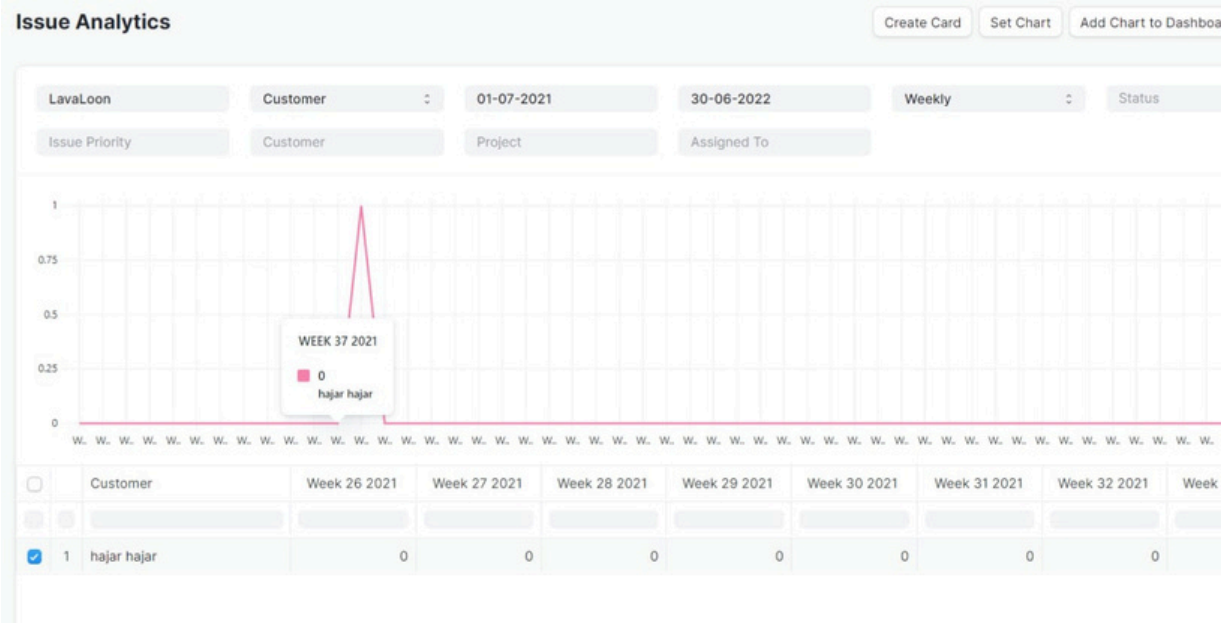
Support analysis



Support ticket details

The screenshot shows the 'New Issue' form. It includes fields for 'Series' (ISS-YYYY-), 'Status' (Open), 'Subject *', 'Priority' (Medium), 'Customer', 'Issue Type', and 'Raised By (Email)'. There is a 'Details' section with a rich text editor for the 'Description'. At the top, there are buttons for 'Close', 'Create', and 'Save'.

And many more!

The screenshot shows the 'My phone does not work properly' form. It includes fields for 'Assigned To', 'Attachments', 'Subject *', 'Status' (Open), 'Customer', 'Priority' (Medium), and 'Issue Type'. There is a 'Details' section with expandable sections for 'Service Level Agreement Details', 'Response Details', and 'Resolution Details'. At the top, there are buttons for 'Close', 'Create', and 'Save'.

SaaS Products

LavaLoon develops a suite of proprietary software solutions which includes:

- **LavaHub:** A robust middleware platform designed to integrate disparate systems and streamline data flow.
- **LavaPOS:** A point-of-sale system tailored for efficient retail management and sales processes.
- **LavaCard:** A digital card platform for customer engagement and loyalty programs.
- **LavaDo:** A SaaS employee self-service app.
- **KSA Compliance:** A specialized app designed to ensure compliance with Saudi Arabian regulations & requirements.

LavaLoon also provides custom software development services, creating bespoke solutions for clients such as Beverly Hills, Tanaqol, and the Abushady Collection, tailoring technology to meet unique business challenges.



LavaHub

LavaHub middleware connects different applications or their components within a distributed network, enhancing their functionality and efficiency. It acts as a bridge, enabling seamless communication and data exchange between these disparate elements, regardless of their underlying technologies or platforms. This allows software solutions to operate harmoniously and scale effectively.

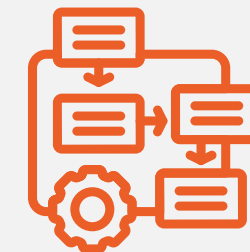
**LavaHub: Powering
your Software**



**Enhanced Server
Performance**



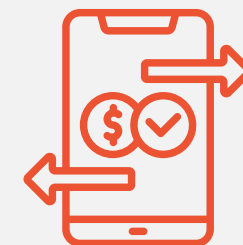
**Secure Data
Sharing**



Improved Data Flow



**Real-time
Communication**



**Efficient
Transactions**



Robust Authorization

Lavaloon Solutions

LavaPOS



LavaPOS is a comprehensive, integrated point-of-sale system designed to boost efficiency and productivity for retail businesses. It streamlines operations, enhances customer experiences, and ultimately drives sales growth. More than just a POS, LavaPOS offers a complete approach to modern retail management.

Experience a new era of efficiency, convenience, and growth with LavaDO POS, featuring:

- Streamlined sales
- Easy return invoices
- Item returns
- Simplified payment entry.



LavaPOS Features



Centralized Order Management: Manage orders from multiple platforms in one unified interface.



Real-Time Inventory Tracking: Monitor stock levels and loading processes for efficient inventory control.



Real-Time Sales & Delivery Logs: Enable delivery agents to log sales and deliveries in real-time, ensuring transparency and accuracy.



Customer Profile Management: Build detailed customer profiles with preferences, purchase history, and payment information.



Flexible Payment Processing: Accept various payment methods, including cash and credit cards, seamlessly.

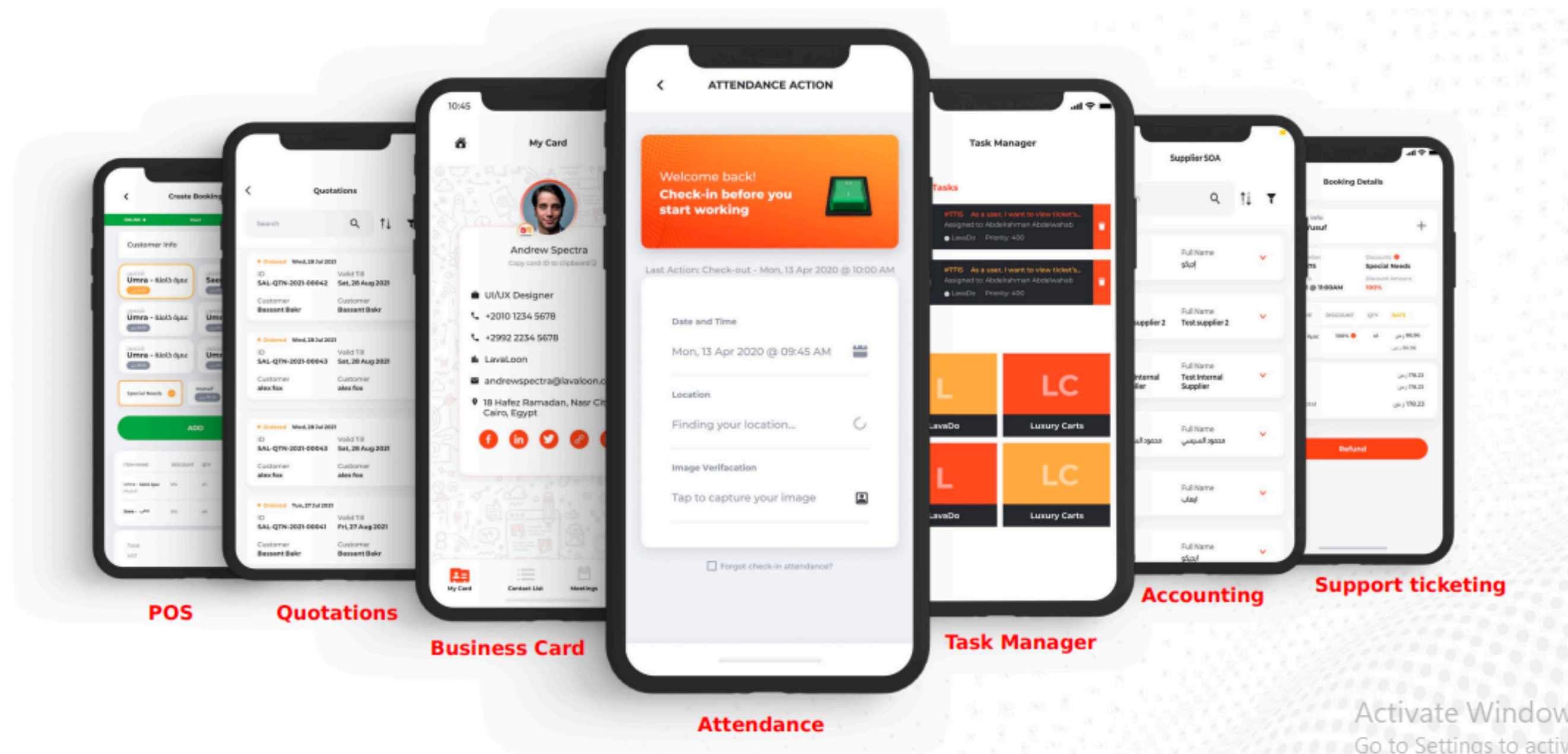


Simplified Tax Compliance: Integrate with tax authorities like the Egyptian Tax Authority and the General Authority of Zakat and Tax.

Lavaloon Solutions

LavaDo

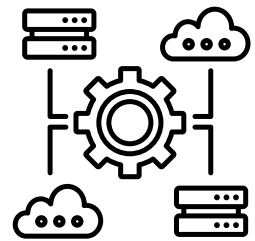
LavaDo is a mobile app that integrates various modules and systems, providing access to data in any format to improve productivity. It handles technical complexities like error handling and authentication, allowing users to focus on business decisions. LavaDo streamlines operations by enabling access across multiple environments from a single platform.



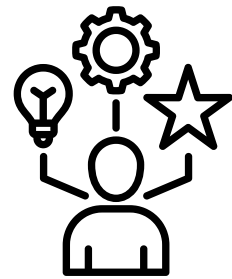
Lavaloon Solutions

KSA Compliance

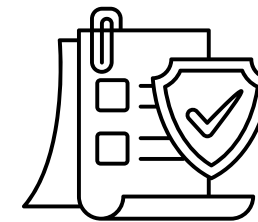
Ensure effortless ZATCA e-invoicing compliance with our free and open-source KSA Compliance App. Built on the Frappe framework and seamlessly integrated with Fatoorah, this robust app provides a user-friendly solution for businesses of all sizes.



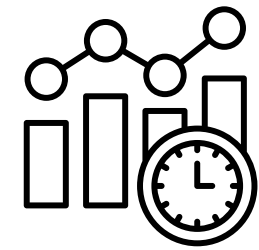
**Complete ZATCA
Integration**



**Optimized
User Experience**



**Automated
Compliance
Checks**



**Real-Time
Insights**

Size of Transactions

+3,000,000

Invoices that have been successfully synchronized and disclosed with Fatora platform

App insights on GitHub



GitHub



Frappe



460+ Installs on
Frappe Cloud



40+ GitHub
stars



34+ Forks



58+ Closed Issues
on GitHub



KSA Compliance Timeline

**KSA Compliance
App Soft Launch**



**June
2024**



**March
2024**

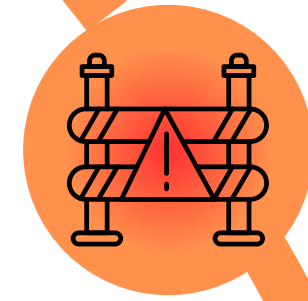
**KSA Compliance
(Zatca Integration)**



**October
2024**

**Default ERPNext
app on Frappe
Cloud in KSA**

KSA Compliance App: Simplify ZATCA Adherence



Problem

ZATCA compliance complexities create hurdles for businesses.



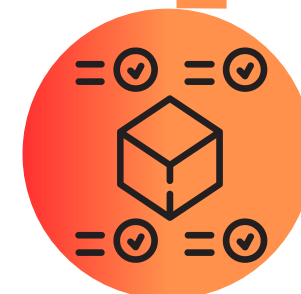
Solution

KSA Compliance App: Seamlessly integrates with Fatoorah to simplify ZATCA compliance.



Impact

Reduced errors, increased efficiency, and enhanced compliance.



Key Features

- ZATCA Integration
- Optimized UX
- Automated Compliance Checks
- Real-Time Insights



Trusted By

Tanqol, UBC, and Future Nass

KSA Compliance Success Story

Tanaqol & ZATCA Integration: Revolutionizing Transportation for Vision 2030 with LavaLoon's KSA Compliance App

Tanaqol & ZATCA Integration Success Story

01.

The Challenge

High transaction volumes, manual Tawaf assistance, and the need for scalable automation posed significant logistical challenges for Makkah Authority.



02.

LavaLoon's Solution

Seamless integration of Tanaqol (e-cart service) with ZATCA via LavaLoon's KSA Compliance App on Frappe's ERPNext platform. This enabled efficient management and scaling of pilgrim assistance services.



Tanaqol & ZATCA Integration Success Story

03.



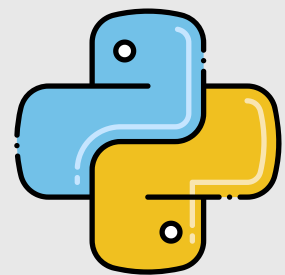
Key Achievements

- Real-Time Tracking: IoT integration for precise e-cart tracking.
- Scalability: Handled ~1 million users and ~10 million vehicle transactions.
- Tax Compliance: Seamless integration with tax authorities in Egypt & KSA.
- High-Volume Handling: Successfully managed 400 website sign-ups per minute during Umrah visa launch.
- Cost-Effective Solution: Leveraged the flexibility and affordability of open-source ERPNext.

Partnered with Tanaqol and Makkah Authority to achieve Vision 2030 goals.

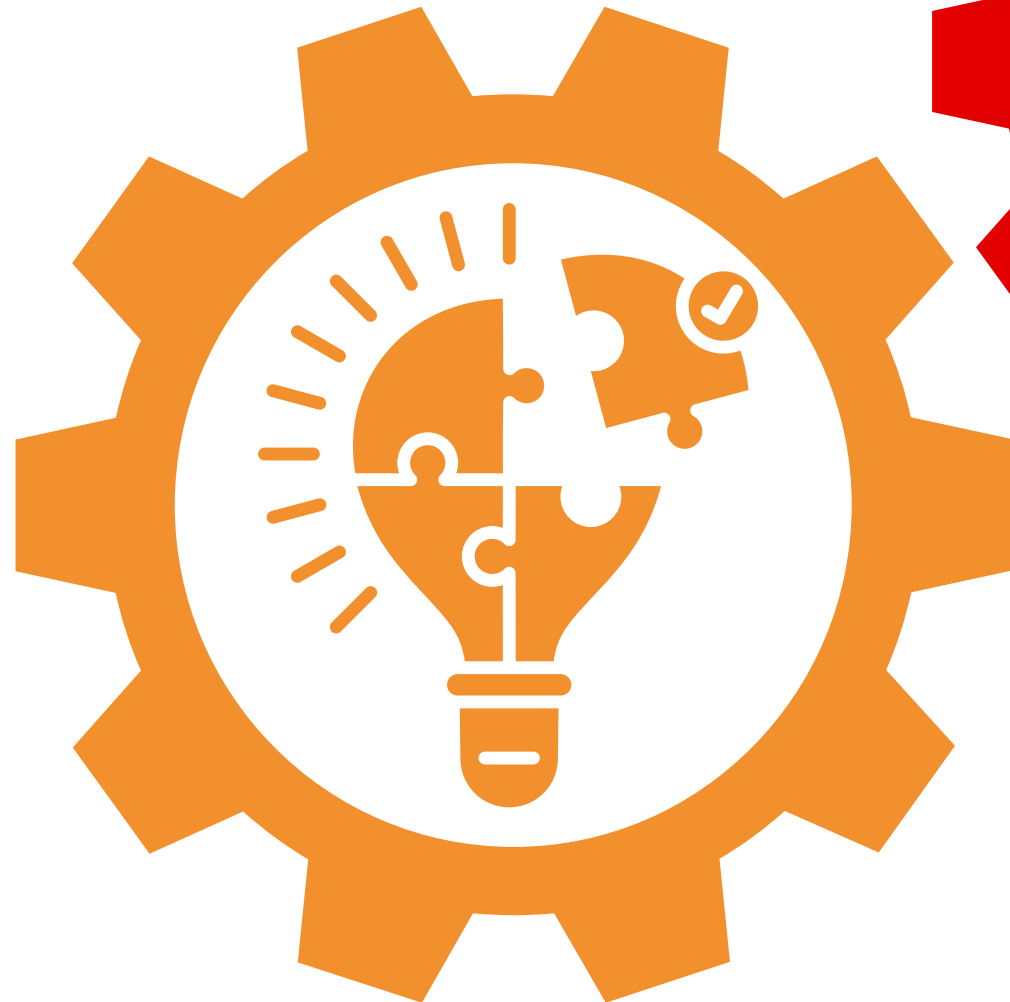
Technologies used by LavaLoon

We develop the full stack in our own products and custom development as well utilizing the following:



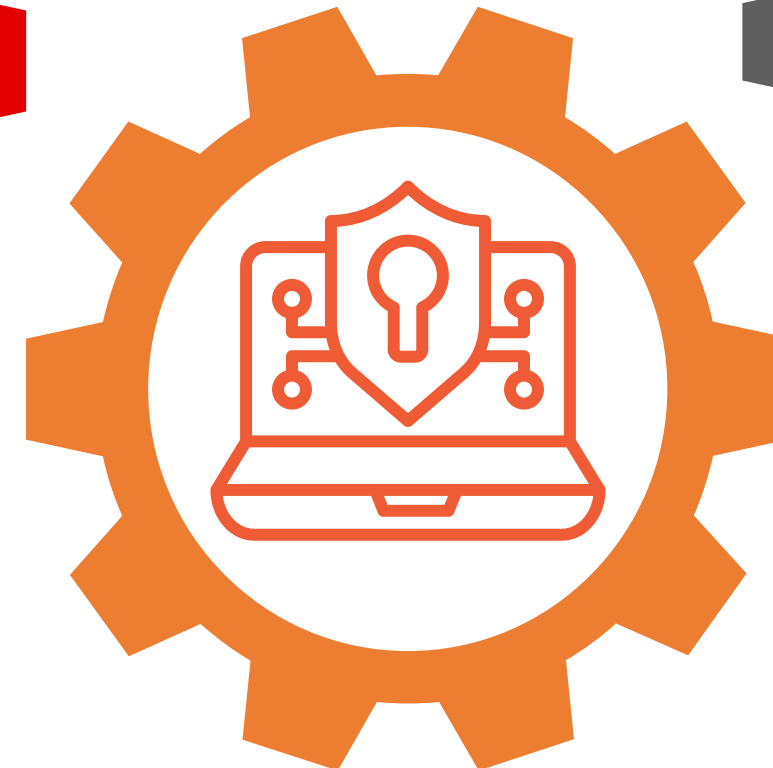
Why Lavaloon Solutions

**Tailored Solutions
& Integrations**



**Proven
Expertise
in ERPNext**

**Proprietary
Software Suite**



**KSA Compliance
Focus**

Meet the Lavaloon Board Members



LavaLoon



Khaled Yusuf

Ceo & Founder



Ahmed Shalaby

Success Manager &
Co-founder



Muhammed Haggag

Solution Architect &
Co-founder

Leadership team



Mohamed Hamdy

Partner & Business Developer



Mohamed Benmessaoud

Partner & Board Member



Amr Anany

Partner & Board Member



Moatasem Osman

Digital Transformation
Consultant



Majed A. Rahim

Co-Founder at Ennovate LLC

LavaLoon Advisors

Reach Out to Us

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