

Ismael Alkrad

Full-Stack Software Engineer

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Professional Summary

Full-stack engineer building healthcare, ERP, and workflow products with Vue, TypeScript, Python, and Node.js. Experienced in headless ERPNext integrations, live clinical systems, offline synchronization, payments, and Docker deployments.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL
Frontend: Vue 3, Nuxt, Quasar, Tailwind CSS, Pinia, Vue Flow, Frappe UI
Backend & Data: Frappe, ERPNext, NestJS, FastAPI, Node.js, REST APIs, WebSockets, MariaDB, MySQL
Delivery & Tools: Docker, Docker Compose, Git, Linux/VPS, IndexedDB, Swagger/OpenAPI

Professional Experience

Senior Front-End Developer | Hawsabah Mar 2026 - Present

- Develop node-based workflow interfaces in Vue 3 and Quasar, connecting visual nodes to engine-driven execution logic.
- Build cloud-management portals and dynamic CMS interfaces with reusable components and shared design tokens.
- Configure domain routing, VPS hosting, and cloud services for enterprise clients in Saudi Arabia.

Software Developer | Nixpend Dec 2023 - Feb 2026

- Built Vue 3 and TypeScript healthcare modules for patient records, appointments, and clinical comments, used in live clinical operations.
- Integrated custom frontends with headless Frappe/ERPNext through REST APIs; implemented WebSocket updates for multi-user clinical workflows.
- Developed ERP and SaaS applications with Nuxt and Frappe; diagnosed critical production issues and corrected backend logic supporting clinical workflows.

Business Intelligence / Power BI Intern | Transition TECH Nov 2022 - Feb 2023

- Built Power BI dashboards and DAX measures for KPI reporting; cleaned and modeled source datasets.

Selected Projects

Offline-First POS | Vue 3, Quasar, ERPNext GitHub

- Built an ERPNext-connected cashier workspace with IndexedDB persistence so checkout and queued transactions remain available during connection loss.
- Implemented background synchronization with stable transaction IDs and retry handling, alongside split payments, returns, and shift reconciliation.

Trading Platform | Vue 3, FastAPI, Python, MariaDB GitHub

- Connected a Vue/Quasar dashboard and FastAPI services to a Windows-based MetaTrader 5 execution engine; containerized backend services with Docker Compose.
- Delivered WebSocket updates for positions, equity, and execution logs, with database persistence for trade history and execution state.

Nestflow Visual Modeling Suite | Vue Flow, TypeScript, Quasar Case study

- Built a visual workflow and ERD editor with draggable nodes and relationships; normalized graph state to limit updates to affected nodes during editing.
- Built client-portal, TeamHub, subscription, and mobile-key interfaces with shared state and reusable components.

Payone Payment Integration | NestJS, TypeScript GitHub

- Developed REST endpoints for invoice creation, payment-status inquiries, and full or partial refunds; integrated payment flows with ERPNext sales invoices.
- Added DTO validation, structured error responses, and Swagger/OpenAPI documentation to support API integration and testing.

Education

BSc in Software Engineering | Israa University GPA: 87.8/100

Languages: Arabic (Native) | English (Professional Working Proficiency)