

Abdalrhman M. Alkady

Software Engineer

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Summary

Software Engineer with 3+ years of experience building full-stack and backend-heavy systems across SaaS, ERP, FinTech, EdTech, logistics, and IoT-enabled products. Strong in API design, integrations, queues, webhooks, data modeling, and performance optimization using PHP/Laravel, JavaScript, Node.js, MySQL, Redis, and cloud tooling. Built production systems for merchants, schools, finance, and operations teams, including payment flows, reconciliation, real-time tracking, messaging automation, and multi-tenant platforms.

Skills

Architecture & Engineering

System Design, Multi-Tenant Architecture, OOP, SOLID, Clean Code

Languages

PHP, JavaScript, Python, C++, SQL

Databases & Caching

MySQL, PostgreSQL, Redis, Query Optimization, Indexing, Data Modeling

Backend

Laravel, Node.js, Express.js, REST APIs, MVC, Webhooks, Queues, Background Jobs

Frontend

React.js, Vue.js, Inertia.js, Livewire, HTML5, CSS3

Cloud & Tools

AWS, Docker, CI/CD, GitHub Actions, Linux, Nginx, Supervisor

Professional Experience

Software Engineer, Backend & Integrations

Mohssilh - محصلة ✎

Mar 2025 – Present
Saudi Arabia

- Designed and maintained backend services for a multi-merchant reporting and reconciliation platform integrated with Salla APIs, supporting 200+ merchants and 20K+ monthly orders worth 12M+ SAR.
- Built reliable synchronization flows using queues, Redis caching, webhook handling, and optimized MySQL queries, improving API performance by 70–80% and reducing sync errors by 15%.

Software Engineer, Full Stack / Contract

Kayanac ERP ✎

Mar 2025 – Jun 2025
Maadi, Egypt

- Built ERP modules across payroll, settlements, CRM, construction, transportation, and finance workflows, turning manual operational processes into structured web-based systems.
- Refactored legacy Laravel code into cleaner service-based modules, fixed N+1 query issues, and improved maintainability across business-critical features.

Software Engineer

Theqah.sa ✎

Aug 2024 – Feb 2025
Riyadh, Saudi Arabia

- Led backend development for Fushati, integrating 200+ schools and processing 5,000+ daily transactions with 99.9% uptime.
- Designed and led the implementation of an AI-powered face recognition payment system, reducing checkout times by 60%.
- Implemented smart caching and load balancing, reducing server load by 35% and ensuring 99.9% uptime during peak transactions.

Software Engineer, Contract

Mar 2024 – May 2024

Tjar.sa (Multi-Tenant E-Commerce SaaS) [🔗](#)

Saudi Arabia

- Built and maintained a tenant-aware e-commerce platform with Laravel and Livewire, supporting 1,000+ stores with 99.9% uptime.
- Created real-time analytics dashboards for 100+ merchants to track sales and traffic patterns.

Software Engineer, Contract

Sep 2023 – Mar 2024

KLLIQ LLC (AI SaaS Solutions) [🔗](#)

Khamis Mushait,

Saudi Arabia

- Led API development for an AI SaaS project, improving system efficiency by 35% and enhancing user experience for 10,000+ users.
- Resolved critical bugs in a CRM and social media app, reducing error rates by 50% and increasing stability and engagement by 30%.
- Refactored legacy code, reducing maintenance costs and improving app stability by 30%.

Projects

NABD Messaging Platform [🔗](#)

Laravel, Node.js, Express.js, Baileys, Redis, MySQL, Supervisor, Salla/Zid APIs

Built a multi-tenant messaging automation SaaS for e-commerce merchants, enabling WhatsApp, Telegram, and email notifications through Salla/Zid webhooks, campaigns, chatbots, subscriptions, and REST APIs. Developed a dedicated Node.js WhatsApp service with QR-based device pairing, session management, webhook callbacks, rate limiting, and background queue workers for high-volume message delivery.

Smart Vending / Medication Dispensing Platform [🔗](#)

Laravel, Python, React.js, MQTT, Redis, PostgreSQL

Built API-driven workflows connecting dashboards, QR-based product flows, payment/dispensing logic, Raspberry Pi controllers, and machine status updates using MQTT-style remote communication.

Virtual Clinic / Dr. Robot

Laravel, Flutter, Vue.js, Python, Raspberry Pi, AI Models, Face Recognition

Built an AI-powered virtual clinic system combining web, mobile, and hardware components. Developed APIs for authentication, diagnosis flow, face-based login, patient data handling, and integration with Raspberry Pi-based interaction screens. Awarded A+ as a graduation project.

Education

Bachelor's degree in Computer & Artificial Intelligence

Sep 2021 – Aug 2025

University of Sadat City

Sadat City, Egypt

- Cumulative **A-grade** with Honors, ranking among the **top students** in the faculty.
- Graduation project: Virtual Clinic / Dr. Robot — A+ Grade.

Certificates

- ICSI | CNSS Certified Network Security Specialist [🔗](#)
- Nano-degree Intro to programming [🔗](#)
- Cyber Security Foundation Professional Certificate - CSFPC™ [🔗](#)
- AWS Academy Cloud Foundations [🔗](#)