



# Khalid Muhammad

## Software Engineer

with 5 years of experience building web applications across frontend and backend. Worked on full-stack systems, integrations, dashboards, and AI-based features. Comfortable with modern development tools and always open to learning new technologies and improving skills.

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📍 Cairo, Egypt

🌐 [Portfolio](#)

🌐 [Linkedin](#)

🐙 [Github](#)

### Education

Mansoura University - Egypt Oct 2019 - July 2024  
Computer And Control Systems Engineering  
Bachelor's Degree in Engineering

### Projects

Hygraph-sync March 2025  
This tool helps you synchronize assets from Hygraph using commands similar to `r sync`. It allows you to push, pull, and publish assets efficiently.

### Experience

Portfolio website for a real estate company Remote  
Front end 2021 (1 month)

- Built the frontend with responsive and user-friendly design.
- Configured hosting environment using cPanel, including domain setup and email accounts.
- Deployed and maintained the website, ensuring availability and basic performance optimization.

Tech Stack: Vue.js, cPanel, DNS, Email Configuration

Healthcare Platform Remote  
Full Stack 2021 (2 months)

- Built the frontend for a medical center website showcasing doctors, services, and clinic information (portfolio-style system).
- Worked on backend services to handle patient appointment requests, including validation and data processing.
- Collaborated on API integration layer responsible for communicating with ML, DL models and returning analysis results.

Tech Stack: Vite.js, React.js, Laravel, REST APIs

### Skills

📄 **Programming**  
JavaScript/TypeScript, PHP, Python

🗄️ **Databases**  
MySQL, MongoDB, PostgreSQL

📦 **Frameworks & Technologies**  
Laravel, Node.js, Express.js, GraphQL, Strapi, Supabase, Next.js, React, Material UI, Tailwind CSS, Shadcn

🛡️ **Security**  
OAuth, JWT, Nginx HTTP Servers SSL/TLS configuration

🔧 **Tools**  
ssh, systemd, git, ffmpeg, rsync, rclone, cron jobs

📱 **Mobile**  
React native, Expo

🔗 **DevOps & Site Reliability**  
Linux, Arch, CentOS, Ubuntu, Docker, Kubernetes, Nginx, SSL/TLS Management, Bash Scripting, CI/CD Pipelines, Prometheus, Grafana, ELK Stack (Elasticsearch - Logstash - Kibana), Loki, Alertmanager

### Languages

**Arabic**  
Native language



**English**  
Intermediate (B2)



## Experience

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### Multi-vendor E-commerce platform

Software engineer

Full-stack

Remote

2022 (2 years)

1 year

- Developed and maintained the platform (web + mobile).
- Integrated with external platforms like Salla and Zid via APIs.
- Implemented a customer support system
- Built dashboards for admin and marchant

Tech Stack: Next.js, Strapi, Laravel, Magento, React native, ChatWoot

### Leadership & DevOps Responsibilities

1 year

- Led a small team of developers and designers
- Managed server infrastructure, including maintenance and updates.
- Designed multiple environments: Development, Preview, Production.
- Handled CI/CD workflows, code merging, and deployment processes.
- Managed domain configuration, DNS, and SSL.
- Monitored and ensured server stability and uptime.
- Led the development team, assigned tasks, and performed code reviews.

Teck Stack: Linux, Git, Docker, Nginx, bash

### E-commerce Inventory Synchronization System

Back end

Remote

2024 (3 months)

- Built a centralized multi-platform inventory synchronization system across Salla, Amazon, and WooCommerce.
- Ensured real-time and periodic synchronization of product data including stock, price, name, and descriptions.
- Implemented automated workflows so that any operation (add/modify/delete) on one platform applies to the other platforms.
- Developed webhook-based integrations to receive and process live events from each platform (e.g., order created, low stock alerts)..
- Built an admin dashboard for monitoring and managing synchronization.

Tech Stack: Laravel, REST APIs, Webhooks, MySQL, Cron Jobs

### Vending machines platform

IoT / Full Stack Developer

Remote

2025 (1 year)

- Built a smart vending platform from scratch integrating IoT devices (vending machines) with web and mobile systems.
- Developed a device communication layer (broker) for each machine to handle operations over Bluetooth or 4G.
- Integrated online payment gateway.

Platform Features:

- Merchant dashboard to manage machines, stock inventory, and track sales.
- Admin dashboard to onboard merchants and manage devices.
- Mobile app integration for Bluetooth-based machine interaction.

Tech Stack: Next.js, Express.js, MongoDB, React Admin, Socker.io, MQTT, Mosquito, BLE, React native