

MOHANNAD ALAHMADI

AI Specialist | IT & Web Systems Specialist | Full-Stack Developer

Medina, Saudi Arabia | contact@mohannadalahmadi.sa | +966 58 000 8082 | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Computer Science graduate with a strong foundation in enterprise systems, databases, and networking. Experienced in full-stack web development, AI-driven solutions, technical support, and DevOps, with hands-on work deploying and securing production systems. Skilled in modern web frameworks, AI integration, and cloud infrastructure, with interest in cloud technologies and business process optimization.

WORK EXPERIENCE

IT / Web Systems Specialist

ThinkSync Company | February 2026 – Present

- Developed and maintained web-based systems
- Integrated AI-powered features and automation into business applications and workflows.
- Deployed and managed Linux-based VPS servers and containerized applications with Docker.
- Configured Traefik as a reverse proxy to secure websites with SSL/TLS encryption.
- Worked with MySQL and PostgreSQL databases using Prisma ORM.
- Designed and maintained business systems and software solutions.
- Provided technical support across systems, applications, and infrastructure.
- Analyzed user requirements and improved system efficiency and digital processes.

Sales Manager

AlHussam Institution | December 2023 – May 2025

- Supervised store operations and staff.
- Handled POS and network troubleshooting.
- Trained employees on systems and managed transactions.

EDUCATION

Bachelor of Computer Science | Graduated: 2024

Taibah University, Medina, Saudi Arabia

PROJECTS

GeoAttend

Solo Architect & Full-Stack Engineer · Next.js, React, TypeScript, PostgreSQL, PostGIS, Drizzle, Zod, MapLibre GL, Docker

Built a GPS-verified workforce attendance platform replacing paper registers and spreadsheets with auditable time records across multiple sites and timezones, to one standard: trustworthy enough to pay people from.

- Modelled punches as an append-only event log enforced by a database trigger, with daily records derived from it and corrections kept additive so nothing overwrites the original.
- Implemented Vincenty geodesy on WGS84 accurate to under 1 mm, cross-validated against PostGIS fixtures, with versioned geofence history.
- Wrote 794 tests across 56 files plus 128 end-to-end assertions against a live server; 33 mutating endpoints emit 31 audit actions to an append-only log.
- Added 11 fraud-detection rules that flag but never block, evaluated outside the punch transaction so a detection bug can never stop someone recording their work.

University Career Fair

Full-Stack Engineer (End-to-End) · Next.js, React, TypeScript, PostgreSQL, Prisma, React Native (Expo), Docker

Built the registration and check-in platform for a university career fair on my own. It drew 160,000+ visitors in under a month and handled 33,000+ registrations and 10,000+ check-ins over 4 days, running a public site, an admin dashboard, and a mobile QR app from one backend.

- Handled the whole project myself — design, backend, frontend, mobile app, and zero-downtime deployment on a self-hosted Linux server.
- Built the registration flow for 33,000+ students and companies, with form validation and confirmation emails.
- Created a QR check-in app that processed 10,000+ entries, with single-use enforcement and timed access windows.
- Built an admin dashboard with company approvals, analytics, and Excel exports.

Event Booking & Ticketing System

Full-Stack Engineer (End-to-End) · Next.js, React, TypeScript, Prisma, PostgreSQL, Redis, BullMQ, Expo (React Native), TailwindCSS

- Built a reservation engine with row-level locking and Redis capacity control to stop double-bookings under heavy traffic.
- Integrated a bank payment gateway end-to-end, with secure handling, callback verification, and a full audit trail.
- Added a background email queue that generates PDF tax invoices without slowing down checkout.
- Built admin reports with payment breakdowns, discount codes, commission tracking, and Excel/PDF exports.

Self-Triage and Management System for Emergency Departments

- Built a self-triage web app (HTML, CSS, JavaScript, PHP, MySQL) that lets patients assess themselves and helps streamline Emergency Department workflows.

CERTIFICATIONS

- Cisco Networking Basics (Cisco Academy).
- Cisco Packet Tracer – Getting Started, Exploring Networking & Introduction Exam.
- Network Programming 101 & 102 (Cisco Academy).

SKILLS

Languages: JavaScript, TypeScript, Python, PHP, SQL, HTML5, CSS3

Frontend: React, Next.js, React Native (Expo), Tailwind CSS, responsive UI

Backend & APIs: NestJS, Node.js, REST API design, OOP, BullMQ, Socket.io, real-time systems

Databases: PostgreSQL, MySQL, Redis, Prisma ORM, data modeling

AI: AI integration & automation, AI-powered application features

DevOps & Infrastructure: Docker & containerization, Linux VPS administration & deployment, Traefik & Nginx (reverse proxy / SSL), Dokploy, Git & GitHub, CI/CD basics

Networking: LAN/WAN, TCP/IP, routing & switching, VMware, VirtualBox, cloud computing concepts

Systems & Support: ERP & POS systems, technical support & troubleshooting

Soft Skills: Problem solving, analytical thinking, client communication, team collaboration, adaptability, fast learning, time management, attention to detail, self-motivation