

Zaid Hijazi

Software & AI Engineer

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SUMMARY

Software and AI engineer with 4+ years of experience building production systems where mistakes are expensive: ERP finance and inventory, biometric identity verification, AI-powered hiring, ZATCA e-invoicing and vehicle telematics. I work across the full stack, from Laravel, Vue and PostgreSQL on the web and Flutter on mobile, down to TCP protocols and hardware SDKs. Built a multi-tenant ERP with 18 modules and ZATCA Phase 2 on my own.

SKILLS

Backend: PHP, Laravel, Java, Spring Boot, ASP.NET, REST APIs, WebSockets (Socket.IO), Redis queues, background jobs

Frontend & desktop: Vue 3, Inertia.js, React, Next.js, Angular, TypeScript, JavaScript, Tailwind CSS, Electron

Mobile: Flutter, Dart, offline sync, federated plugins

Databases & search: PostgreSQL, MySQL, MongoDB, Redis, Typesense

AI: LLM APIs, prompt and agent design, evaluation sets, speech-to-text and text-to-speech, AI matching and scoring

Integrations: ZATCA e-invoicing (Fatoora, Phase 2), PKI, GOSI and WPS payroll, Stripe, PayPal, biometric SDKs (Dermalog, SecuGen, IB Columbo), JWE encryption, Teltonika codecs, CAN/OBD

Architecture & DevOps: multi-tenant SaaS, layered architecture, RBAC, audit logging, Arabic/English i18n with RTL, Docker, CI/CD, Linux, Railway, DigitalOcean

EXPERIENCE

Software & AI Engineer

Jan 2026 – Present

Rushd AI · Riyadh, Saudi Arabia (on-site)

- Built a biometric identity verification platform for government agencies and banks. A fingerprint captured at the counter is matched against national ID records in under 1.5 seconds.
- Put one capture layer in front of fingerprint scanners from three vendors (Dermalog, IB Columbo, SecuGen), with Windows capture services that keep the best of several frames. A branch can swap scanners with no change to the app or the server.
- Encrypted every verification request before it leaves the counter (JWE: RSA-OAEP-256 + A256GCM) and redacted national numbers and fingerprint images from all stored requests and logs.
- Built an AI-powered hiring platform end to end (Laravel, Inertia, Vue 3), with a company portal and a candidate portal: bulk analysis of up to 500 CVs per batch, two-way matching between jobs and candidates, an AI coach and an AI CV builder.
- Built AI voice interviews in Arabic and English, across Saudi, Egyptian and Levantine dialects, with a full report on each candidate.
- Designed explainable CV scoring: AI reads the CV, clear weighted rules set the score out of 100, and every lost point comes with its reason.
- Built an AI governance gateway, an enterprise AI agents platform and the company website.

Full-Stack Developer

Jan 2026 – May 2026

Grow (grow-ksa.com) · Remote

- Built the Jobs and Applications modules end to end on a platform that connects universities, companies and students, including AI candidate matching that ranks applicants against each job.
- Built dashboards for students, employers, universities and admins, with Typesense search across jobs, students and talent pools.
- Delivered the co-op training evaluation system, talent pools, role permissions, OTP login and audit logging, in a strict layered architecture on Docker with Redis queues.

Freelance Full-Stack Developer

Feb 2023 – Present

Self-employed

- Build and run my own products: Promatrix ERP, an equipment tracking platform and Muqtasid (see Projects).

- Built a bilingual Arabic/English website and CMS for a decorative paints company on my own, from requirements to production.
- Built a pharmacy e-commerce platform: backend, admin dashboard and the API behind a customer app and a driver delivery app.
- Deploy and maintain production apps on DigitalOcean, Railway and cPanel with CI/CD pipelines.

Junior Backend Developer

Feb 2023 – Oct 2025

Dimas Company for Contracting and Trading

- Built and maintained server-side logic and REST APIs for web and mobile apps with Laravel and PHP.
- Tuned MySQL schemas, queries and indexes, and added caching and queues to cut response times. Built the company's bilingual website, managed fully from its admin panel.

Backend Developer Intern

Nov 2022 – Feb 2023

Tradinos

- Built CRUD modules and backend services in Laravel following clean architecture, as part of a team working in production.

PROJECTS

Promatrix ERP · Founder and sole engineer

Jun 2026 – Present

- Multi-tenant ERP for Saudi businesses: 18 modules, from the general ledger to payroll and point of sale, all post to one double-entry ledger. Each company runs in its own PostgreSQL schema on one codebase.
- Built ZATCA Phase 2 e-invoicing into the system: tax codes with exemption reasons, VAT computed from ledger movement, tax invoices with QR codes, and clearance and reporting.
- Built Saudi payroll with GOSI, end-of-service provisions and WPS bank files, plus 155 reports with per-report permissions and full Arabic, English and French interfaces.
- Designed a category engine where one setting decides stock tracking (batch and expiry, or serial number), costing and ten ledger accounts. A new sector needs new settings, not a code fork.

Stack: Laravel, Vue 3, Inertia.js, PostgreSQL, queues

Heavy Equipment Rental & Tracking Platform · Solo engineer

Jun 2026 – Present

- Built a TCP gateway that receives data from Teltonika trackers, decodes their binary protocol (Codec 8/8E), confirms every packet and buffers data during outages. It already receives live vehicle data.
- Wired trackers to the onboard computers of old and new heavy machines by measuring resistance and voltage on each connector, then built the owner, renter and admin portals.

Stack: TCP, Teltonika codecs, CAN/OBD, IoT, Railway

Muqtasid · Multi-currency expense wallet

Sep 2026

- Built solo in one month: a Laravel API and admin dashboard, and a Flutter app in Arabic. Wallets in USD, SYP and SAR keep the exchange rate of every entry, so past balances never change.

Stack: Laravel, Flutter, REST API, Railway

Tomoh Recruitment Platform · Graduation project, lead backend developer

2025

- Designed and built the backend, APIs and web dashboard for a recruitment platform with four user roles, real-time chat (Socket.IO) and Stripe and PayPal payments.

EDUCATION

B.Sc. Software Engineering

2025

International University for Science and Technology (IUST)

LANGUAGES

Arabic (native), English (professional)

VOLUNTEERING

Workshop Instructor, IUST: designed and taught technical workshops for junior software engineering students.

System Developer, Sanad Team (non-profit): built a skill assessment and recommendation system.