

Alaa Al-bdewi

Full-Stack Engineer · AI & Backend Systems · Python / Laravel / Vue / React

Damascus, Syria | +963 947 041 906 | a3laa.albdewi@gmail.com | linkedin.com/in/alaalbdewi

PROFESSIONAL SUMMARY

Full-stack engineer with 5+ years in production systems, now working mainly on AI and backend. I own the backend and multi-agent AI layer of a live generation platform built in Python, led the front end of a multi-vendor marketplace, and worked on the core of an enterprise platform running multi-million-row datasets. Day to day: Python, Laravel/PHP, Vue, React, PostgreSQL.

TECHNICAL SKILLS

AI & LLM Engineering Multi-agent systems and orchestration; prompt engineering with schema-validated structured output; LLM API integration; retrieval-augmented generation; model routing and token-cost optimisation; prompt caching; streaming responses; evaluation rubrics and output scoring

Backend Python, PHP 8, Laravel (incl. HMVC), Node.js; REST API design; microservices; message queues and background workers; stored procedures; SOLID

Frontend Vue.js, React, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, SPA and component-driven architecture, state management, HTML5 / CSS3

Data PostgreSQL, MySQL, Redis; relational modelling, composite indexing, partitioning, query optimisation, caching strategies, pre-aggregated reporting

Platform & DevOps Docker, Git / GitHub, CI/CD, Linux, Nginx, AWS

Architecture Modular and multi-tenant platform design, queue-driven workflows, API versioning, code review and documentation practice

Business & Systems Analysis Requirements gathering with non-technical stakeholders; turning business processes into data models and workflows; domain knowledge across ERP and administrative systems, and marketplace models (B2B / B2C / B2B2C)

PROFESSIONAL EXPERIENCE

Backend & AI Systems Engineer · Muqnea

May 2025 – Present | Full-Time

- **Own the backend and AI layer of the platform:** Python microservices, queue-backed workers, and the multi-agent pipeline that drives generation.
- Designed the pipeline around specialised agents that hand off schema-validated structured output, so everything downstream renders deterministically instead of being parsed back out of free text.
- **Cut generation cost by 82% and brought time to first output down to 15–30 seconds**, with measured quality at 91% on the internal rubric. That came from routing each step to the smallest model that passes its eval, caching stable prompt prefixes and running steps in parallel.
- **Scaled coverage to 30+ domain profiles**, so a single pipeline serves every sector and company model the platform supports (B2B, B2C, B2B2C) with no per-client engineering.
- Replaced a workflow that used to take two to three days of manual expert effort with an automated path that finishes in under ten minutes.
- **Built and maintain the platform API surface:** versioned REST endpoints, authentication and rate limiting, consumed by the product front end and by internal services.
- **Architected the platform for scale:** stateless services, queue-based workers, Redis caching and partitioned PostgreSQL, sustaining high daily generation volume and sized for a user base in the millions.

Frontend Developer — Pazar Pro · IRIS

August 2025 – August 2026 | Part-Time

- **Led the front end of Pazar Pro**, a free-zone multi-vendor marketplace covering B2B, B2C and B2B2C selling models, building both the vendor-facing and customer-facing interfaces.

- Built the storefront, vendor dashboards and multi-store administration as a component-driven SPA, with role-scoped interfaces for vendors, store administrators and platform administrators.
- **Kept catalogue and reporting screens responsive as data grew**, using pagination, virtualised lists, memoised selectors and client-side caching.
- Contributed on the backend wherever the front end needed it — endpoint shape, response contracts and data modelling for the marketplace flows — working alongside the backend team.
- Delivered through to handover in August 2026.

Freelance Web Developer · **Independent**

May 2024 – May 2025 | Remote

- **Delivered three production systems solo:** a clinic management system (patient records, scheduling, billing, reporting), a transportation management platform (fleet scheduling, route tracking, operational reporting), and an enterprise CMS.
- Owned every stage on each one: requirements, schema design, REST API, SPA front end, deployment and post-launch support.
- Worked directly with non-technical clients across healthcare, logistics and content operations, turning how they actually worked into a system they could run themselves.

Full-Stack Developer · **Be In Media**

March 2024 – May 2024 | Damascus, Syria

- **Took over the HR and payroll module** and brought it to a stable state, working through defects in the existing implementation and correcting workflows that were producing wrong results.
- Built REST APIs and Vue.js SPA screens inside an established Laravel HMVC codebase, following the conventions already in place rather than introducing new ones.
- Traced and fixed the performance problems on the heaviest screens: slow queries, repeated requests and missing caching.

Full-Stack Developer — Minaret · **AL-MOTKAMEL Global Co.**

August 2022 – March 2024 | Damascus, Syria

- **Core engineer on Minaret, a complete ERP platform for enterprise operations** rather than a single system. Worked on the shared core instead of isolated features, so every change had to hold across the whole platform.
- **Worked the data layer at multi-million-row scale:** composite indexing, partitioning and query rewrites, plus moving heavy reporting logic into database stored procedures, which cut both the cost of repeated report calls and the round trips behind them.
- **Led the full redesign of Akar, a real-estate management system**, re-architecting the backend services and rebuilding the interface.
- Built Vue.js SPA clients against shared REST APIs, and held the codebase to SOLID through code review, written documentation and a consistent component architecture.

Junior Freelance Developer · **Independent**

January 2021 – January 2022 | Remote

- Built and delivered web applications for small businesses end to end — requirements, database design, implementation and deployment — in PHP, Laravel, Vue.js and MySQL.
- First work directly with clients: scoping what was actually needed, shipping to deadlines and supporting what I delivered.

EDUCATION

Master's Degree, Web Science & Artificial Intelligence

· **Syrian Virtual University** | 2024 – Present

Bachelor's Degree, Information Technology Engineering

· **Al-Jazeera Private University** | 2019 – 2024, Syria