

Hadi Diab

Full Stack Developer

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SUMMARY

Full-stack engineer with 2 years across TypeScript, Node, and React, shipping logistics, AI, and compliance systems end-to-end. At Pixel38, took over a legacy codebase and cut its technical debt by roughly 40% while continuing to deliver new features. Owns architecture, implementation, and client conversation; delivered a full compliance platform solo for a freelance client alongside the full-time role.

WORK EXPERIENCE

Full Stack Developer at Pixel38 | 2024/07 – Present

- Owned end-to-end delivery of a multi-tenant enterprise shipment platform (architecture, technical decisions, direct client communication), and modernized the legacy codebase to cut technical debt by ~40% across core logistics workflows.
- Built the Laravel backend and operations dashboard for a real-time food delivery platform (order lifecycle, courier dispatch, restaurant onboarding, live tracking), serving the React Native mobile clients through a dedicated API.
- Built a queue-based invoice-syncing integration with enterprise accounting/ERP systems. Retries and idempotent message handling absorb downstream outages and eliminate manual reconciliation.
- Integrated Dahua IP cameras with the Dahua DSS server, piping real-time face/person-detection events into the operations dashboard over Socket.io so staff respond live instead of reviewing footage after the fact.
- Worked on a multi-tenant AI agentic customer-support platform (LangChain / LangGraph, KB + RAG, multi-channel: Web Chat / WhatsApp / Instagram / BotPress) covering real-time inbox, team routing, and AI governance (token caps, model allowlists).

Freelance Full Stack Developer (Compliance Exam Platform) | 2026/04 – 2026/05

- Designed and shipped a compliance exam platform end-to-end as sole engineer, covering a four-role permission model (admin / creator / reviewer / exam-taker) over a full question lifecycle (draft → submitted → review → approved) and exam delivery flow.
- Built the exam attempt lifecycle on a domain-event bus (assigned → in-progress → submitted → scored → retake-eligible), keeping notifications, audit logs, and scoring jobs in sync without scattered conditional wiring.
- Wired Authentik OAuth2/OIDC + SCIM so the client's existing SSO and group structure drove role assignment automatically, with no manual user setup and no brittle out-of-band group sync.
- Built an OpenAI-embedded similarity check (pgvector) that surfaced duplicate or near-duplicate questions to reviewers before they reached the exam bank, removing a category of QA work that would otherwise be manual.
- Built audit-ready compliance reporting (Excel and PDF export of who was certified, on what, when, by which reviewer), giving the client a real paper trail instead of stitched-together screenshots.

Full Stack Developer at SlashML | 2024/04 – 2024/07

- Built a queue-based provisioner on Pulumi that programmatically spins up EC2 instances for AI workloads, enabling on-demand LLM/model deployment without manual infra wiring.
- Shipped the internal infra dashboard surfacing every active deployment, model version, and instance state, cutting "what's running where" lookups from minutes to a glance.

PROJECTS

Multi-Database MCP Server · TypeScript · MCP · PostgreSQL · SQL Server

- Read-only MCP server with schema discovery and relationship mapping across SQL Server and PostgreSQL, reducing database onboarding from days to minutes.
- Enforced query validation, parameterized inputs, and injection safeguards across every interaction, with multi-profile credential isolation between dev, staging, and production.

SKILLS

- Languages:** TypeScript, JavaScript, Python, PHP, SQL
- Backend & APIs:** Node.js, Express, Fastify, Laravel, Prisma, REST, WebSockets (Socket.io), MCP, Job queues (BullMQ / DB-backed)
- Frontend:** React, Next.js, TanStack Router / Query, Tailwind, shadcn/ui, Zod
- Data & Infra:** PostgreSQL, pgvector, MongoDB, Redis, SQL Server, MySQL, Docker, AWS, Pulumi

EDUCATION

B.Sc. in Science, Lebanese University | 2021/09 – 2024/06

CERTIFICATIONS

- AWS Certified Cloud Practitioner