

Alexandre El Khoury

Senior Software Engineer

Building agentic systems and AI infrastructure

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SUMMARY

I'm in my tenth year building production backend and infrastructure systems, most recently at Weaviate, where I ship agentic tooling that lets AI agents provision and operate cloud database infrastructure directly. Outside work I built Alfred, a 21-agent engineering harness whose persistent memory recalls curated lessons into every session.

EXPERIENCE

Senior Software Engineer, Weaviate, Paris, France | Apr 2025 - Present

- Drove the hexagonal Go API and led the CLI's public release, letting AI agents and CI pipelines provision cloud clusters without the console.
- Built the console surface that put Weaviate's Model Context Protocol server in customers' hands, with per-cluster read or write access and connection snippets.
- Building self-service enterprise single sign-on configuration and enforcement (SAML/OIDC), replacing manual, case by case setup.

Senior Backend Engineer, Kardinal AI, Paris, France | Mar 2021 - Mar 2025

- A high-volume internal API averaged 2 to 5 seconds per call. I cut it under 1 second by parallelizing BSON to JSON decoding in MongoDB.
- Owned 12+ of the org's 20+ Go microservices behind two logistics-intelligence products: continuous route optimization and territory analytics.
- Owned 7 internal libraries across the engineering org, including an open source RabbitMQ integration for Go and a Cucumber style testing framework for Go microservices.
- Mentored junior engineers on the internal Go stack, accelerating their ramp-up and contribution to production systems.

Full-Stack Software Engineer, Polar Stork, Remote, US | May 2019 - Apr 2021

Tech Lead on client projects, including a VoIP app supporting the Lebanese Red Cross during the COVID-19 pandemic; shipped 7+ web and mobile apps and drove Flutter adoption.

Founding Software Engineer, InnTrend, Beirut, Lebanon | Jan 2017 - Feb 2019

First engineering hire; built the quality management platform from scratch to production on Spring Boot and Angular.

PROJECTS

Alfred, personal engineering harness | 2026 - Present

- Gave Alfred a persistent memory system: a dedicated curator agent writes behind a gate, and 3,148 curated notes recall automatically into every session, so past lessons keep repeat mistakes from recurring.
- Built Alfred, a personal multi-agent engineering harness on Claude Code with 21 specialist roles, hook-enforced gates, and per-role permissions.
- Added an evaluation gate that rejects unverified or failing work outright, so no ticket closes on a claim alone.
- Alfred has run 1,100+ tickets and 1,247 commits since June 2026, shipping production releases across three live product codebases I operate.

The We Project, wedding planning SaaS | 2023 - Present

Wedding planning SaaS covering guest management, budgeting, seating, a website builder, and an AI planning assistant that acts through tools, on a Go and MongoDB REST backend on Cloud Run behind three TypeScript front ends built on Next.js and React. Built and operated end to end through Alfred. Shipped 10+ tagged production releases in about seven weeks.

SKILLS

Backend & Systems: Go, hexagonal architecture, REST API design, MongoDB

Frontend: TypeScript, React / Next.js

AI & Agentic Engineering: agentic workflows, multi-agent orchestration, Model Context Protocol (MCP), tool use for AI agents, context engineering, QA gates and evals

Engineering Practice: CI/CD release engineering, performance optimization and benchmarking, technical mentoring

EDUCATION

B.Eng. Telecommunications, Saint Joseph University, Beirut

LANGUAGES

French (native), English (fluent, C1), Arabic (conversational)