

Idriss Garfa

Software Engineer

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EXPERIENCE

Software Engineer, XtendPlex Group Jan 2025 - Present · Remote

- Built Quarness, a real-time alerting and messaging platform for hospital staff, with React Native and Expo apps on iOS and Android plus web and desktop clients.
- Built the FastAPI and PostgreSQL backend, with real-time delivery over MQTT via an EMQX broker, background push notifications, and scheduled escalation of unacknowledged alerts to backup teams.
- Secured the platform for French health data on HDS-certified Scaleway infrastructure, and took it through its security and GDPR compliance audit.
- Automated CI/CD with Jenkins, covering Vitest and Locust load tests, plus Android and iOS builds, signing, and store publishing.
- Ran release planning and backlog refinement with the product owner, and coordinated release validation with the QA team.

Software Engineer, Akera Sep 2022 - Dec 2024 · Remote

- Delivered the agency's client projects end to end, mentoring two developers through onboarding, code reviews, and task planning.
- Designed and built the APIs behind the agency's web platforms with TypeScript, Elysia.js, and Drizzle.
- Built the internal Next.js and Astro starters, Storybook component library, and Vitest and Cypress suites used across projects.
- Managed GitLab, CI pipelines, and AWS infrastructure for client projects in production.

PROJECTS

Friio, AI business operations assistant

- AI assistant that connects to business tools such as Shopify, WordPress, Stripe, and HubSpot, and operates them from a chat interface.
- Built a custom multi-tenant MCP client so tenants can plug in any remote MCP server and use its tools as live agent tools, with OAuth discovery, SSRF hardening, and approval gating by default.
- Added retrieval-augmented memory over a Weaviate vector store, embedding and retrieving workspace context each turn to ground the agent's responses.
- Built a multi-tenant FastAPI and React app with a LangGraph agent, model routing across multiple LLM providers, and PostgreSQL.
- Owned the multi-tenant deployment on AWS and set up CI/CD with GitHub Actions for lint, test, and build.

TECHNOLOGIES

Programming	TypeScript, JavaScript, Python
Frontend	React, Next.js, Astro, React Native, Expo, Tailwind, Vitest, Cypress
Backend	FastAPI, Node.js, Elysia.js, PostgreSQL, Redis, Celery, Drizzle, MQTT, Stripe
AI	LangGraph, MCP, Weaviate, RAG, multi-provider LLM routing
Infrastructure	Docker, AWS, GCP, Azure, Scaleway, Ansible, GitHub Actions, GitLab CI, Jenkins, Keycloak

EDUCATION

Licence in Computer Science, Higher Institute of Computer Science, Mahdia 2021 - 2024

Graduated with distinction.

LANGUAGES

Arabic	Native
French	Professional
English	Professional