# ALDORITH CHOUNA NGUEFA

## Full-Stack AI Developer

React · Next.js · TypeScript · Node.js · Python/FastAPI · RAG & agents

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French (native) · English C1 · German C1 · Available immediately · Permanent / freelance

## PROFILE

AI-focused full-stack developer: two years at **Société Générale** on a RAG application (FastAPI backend + UI) and a freelance engagement digitising a retail store. I ship **complete web products** — interfaces, APIs, data and AI assistants — tested, accessible and secure.

## PROFESSIONAL EXPERIENCE

**Société Générale — Data & AI Scientist (apprenticeship), Audit & Inspection Générale** Oct 2024 – Aug 2026

*Automate the drafting of model-risk audit notes from large document sets.*

- Designed and built an end-to-end **generative AI application**: ingestion of PDF, Word and Excel reports, document extraction and preparation, **Python/FastAPI** backend and web interface.
- Hybrid **BM25 + FAISS** retrieval fused with **RRF**, section-level **GPT** generation, consolidation and **source attribution** for every passage, with human review kept in the loop.
- **Outcome:** structured, sourced first draft in **minutes** for a process that took 2–3 months manually; iterated with managers; took part in strategic meetings with Data Science department leadership.

**Le Comptoir d'Afrique (Afro Shop) — Freelance Full-Stack & AI Developer** Sep 2026 – present

*Digitising a grocery store: online shop, orders, pickup, delivery and store management.*

- Gathered requirements with the owner and wrote the design file: user journeys, **SQL data model**, **OpenAPI contract**, target NestJS/PostgreSQL architecture and **RAG** assistant.
- Built the **Next.js 16 / React 19 / TypeScript** frontend (catalogue, cart, checkout, account, demo assistant) on service ports typed from the OpenAPI spec.
- **22 Vitest tests**, **7 Playwright E2E journeys**, axe-core accessibility checks; trained staff on the tool and cybersecurity basics. Version in acceptance testing; backend and payment to be integrated.

## TECHNICAL PROJECTS

**Folio — multi-agent financial research** · demo 2026

- **React 19 / Vite** UI, **Node.js 22** API (sessions, CSRF, rate limiting, 2FA), **Python/LangGraph** worker; **250+ tests** (Node and Python), Prometheus/Grafana monitoring.
- **4 LangGraph agents** (planner, researcher, verifier, writer) with HMAC-signed hand-offs; market data via **MCP** Yahoo Finance behind a read-only gateway.

**Prudential Evidence Lab — regulatory RAG assistant** · demo Aug – Sep 2026

- FastAPI/Pydantic + React/TypeScript/Vite UI exposing BM25, dense and RRF traces; multi-stage Docker, GitHub Actions CI, Render demo; **59 tests** and **30 evaluation cases**.

**Yamoo Drive — car rental booking (challenge)** · demo Nov 2026

- Customer site and operations space in vanilla HTML/CSS/JavaScript, Three.js, PWA, served by **Cloudflare Workers**; **7 business tests** and **9 Playwright E2E journeys** (desktop + mobile), GitHub Actions CI.

## SKILLS

**Frontend:** React 19, Next.js 16, TypeScript, Vite, Tailwind CSS, accessibility (axe-core), Three.js

**Backend & data:** Node.js, Python, FastAPI, Pydantic, REST/OpenAPI, SQL, PostgreSQL, SQLite, Redis

**AI:** RAG (BM25, FAISS, Qdrant, RRF), LangGraph, MCP, OpenAI/GPT, Gemini

**Application security:** OWASP Top 10 for LLMs, prompt-injection defences, CSRF, 2FA, CSP, hardened containers

**Quality & delivery:** Vitest, Playwright, pytest, Docker, GitHub Actions, Prometheus, Grafana, Cloudflare Workers, web security (CSRF, CSP, 2FA)

## CERTIFICATIONS & TRAINING

**Google Cloud Skills Boost** — Machine Learning Operations (MLOps) Fundamentals · badge earned

**Google Cloud Skills Boost** — Develop Gen AI Apps with Gemini and Streamlit; Agent Governance and Security

**Udemy** — Deep Agent: Multi-Agent RAG with Gemini and LangChain (2026)

## EDUCATION

**ECE Paris** — Engineering degree (MSc), Data & AI (2024–2026)

**EFREI Paris** — Computer science engineering track (2023–2024)

## REFERENCES

**Pierre-Michel Becquet** — apprenticeship manager (2 years), Société Générale · pierre-michel.becquet@socgen.com

**Jean Djeto** — Senior Auditor, Audit & Inspection Générale, Société Générale · jean.djeto@socgen.com