

Pierre Ankouane

Applied AI Engineer · Founder & CTO, Afryx Labs · LLM agents, multi-tenant SaaS, production systems

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PROFILE

Final-year BSc Applied AI student who ships production software with paying customers while studying. I design and run LLM agent systems end to end: LangGraph multi-agent pipelines, Claude API integrations, multi-tenant Postgres backends, and the environment and release discipline needed to keep them live for real users. I lead engineering for a distributed team of fifteen across four countries, and I work in English, French and Spanish.

EXPERIENCE

Founder & Chief Technology Officer · Afryx Labs

2026 to present · remote, UK / Cameroon / Canada / USA

- Lead engineering for a fifteen-person distributed team: architecture, code review, release process and delivery cadence across two products.
- Kampus, a school management platform, is live in production with three fee-paying institutions: designed the full multi-tenant PostgreSQL schema and built the Next.js 16 web app and React Native mobile client on Supabase, with row-level security enforcing tenant isolation.
- Run separate development and production environments with branch-based deployment pipelines, so schema migrations and releases ship without downtime for live schools.
- Built the commercial model behind the product: per-student monthly billing, a setup fee, and a break-even model that pricing decisions were tested against.
- Produced APDP data-protection compliance documentation and a formal tender-standard specification, which unlocked the institutional contracts.

Product & Technical Lead, O'pep · Afryx Labs

2026 to present · in development

- Designing an intercity bus booking aggregator for Cameroon: a traveller mobile app and an agency web portal sharing a single seat-inventory model, ahead of a Yaoundé to Douala corridor pilot.
- Own the hardest correctness problem in the product: offline-capable agency counters with resynchronisation, including arbitration of double-sold seats between offline counter sales and online bookings.
- Specified Mobile Money payment flows (MTN MoMo, Orange Money) plus a pay-at-counter reference code for a low card-penetration market, and mapped Cameroon's 2024 data-protection law onto the build.
- Built the full design system and clickable prototype: 43 traveller mobile frames and the agency desktop views.

Founder · Arcflow

2025 to present · United Kingdom

- Built and shipped an AI Chief of Staff SaaS for small businesses from concept to production at arcflowhq.com.
- Engineered a LangGraph multi-agent pipeline that reads a customer's work context and produces tracked actions, with Claude as the reasoning layer and human approval on high-stakes steps.
- Implemented a multi-tenant Supabase backend with row-level security, Stripe subscription billing and continuous deployment on Vercel.
- Ran go-to-market solo: a 112-lead scored outreach list and nine cold-email sequences built around a single action-tracking wedge.

Co-founder & Technical Lead · Miyora AI 2025 · remote, UK & Canada

Co-built a skin intelligence platform, owning the model and application layer.

Applied AI Instructor (part-time) · Institut Supérieur Fang de Messamena 2025 to present · Cameroon

Deliver AI and model-training sessions and support curriculum and lab infrastructure for a higher-education institute.

SELECTED PROJECTS

- **pierre-agent-evals** (github.com/ByEmG/pierre-agent-evals): public six-category failure taxonomy for LLM agents; evaluation harness in progress covering a task suite, per-run failure classification, and pass-rate, cost and latency reporting across models and prompt variants.
- **humanoid-agent** (github.com/ByEmG/humanoid-agent): goal-directed LLM agent with planning, memory and tool use.
- **APEX**: sport-specific AI athletic performance app in React Native and Expo, on a 25-table Supabase schema with Claude API agent logic.
- **LinkedIn content engine**: twelve-node LangGraph automation system for research, drafting and scheduling.

- **ML coursework and independent work:** Parkinson's detection pipeline benchmarking Random Forest, SVM and XGBoost; football sentiment NLP across Reddit, Twitter and ESPN; facial emotion recognition CNN.

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, SQL
AI & ML	LangGraph multi-agent orchestration, Anthropic Claude API, agent evaluation and failure-taxonomy design, prompt and tool design, scikit-learn, XGBoost, CNNs, NLP and sentiment analysis
Web & mobile	Next.js 16, React, React Native, Expo, Tailwind
Backend & data	Supabase, PostgreSQL, row-level security, multi-tenant schema design, Stripe billing, REST APIs
DevOps & delivery	Git and GitHub, branch-based CI/CD, separate development and production environments, Vercel deployment pipelines, environment and secret management, Playwright browser automation
Ways of working	Technical leadership of a distributed team, sprint planning, product and pricing modelling, data-protection compliance documentation (APDP), technical writing in English and French

EDUCATION

BSc (Hons) Applied Artificial Intelligence · University of Bradford graduating May 2027
On track for a 2:1 or First. Coursework across machine learning, deep learning, NLP and applied data science.

CERTIFICATIONS & PROGRAMMES

CMI Level 5 in Management · Harvard CS109xa, Python for Data Science and Machine Learning · IBM, Introduction to Generative AI

LANGUAGES

French (native) · English (fluent) · Spanish (conversational)

INTERESTS

Piano, reading, strength training, productivity systems, and building technology for African markets. Co-organised Open House, a 72-hour live build event for AI builders in London.