

PIERRE ARMANET

Fullstack Engineer

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SUMMARY

Fullstack engineer with 4+ years of experience shipping products across Web3, fintech, and mobile. Delivered QA automation covering 500+ API endpoints (80% manual testing reduction), blockchain-based CRM tools, smart contract systems, and Solana DeFi infrastructure handling 10k+ daily transactions. Currently maintaining four personal products in production, spanning DeFi trading, AI-powered document management, native macOS applications, and cross-platform mobile.

SKILLS

Languages: TypeScript, Python, Swift, Solidity, C/C++, Java

Frontend & Mobile: React, React Native, Expo, SwiftUI

Backend: Node.js, Express, Supabase, SQLite, MinIO

Blockchain: Solidity (EVM, ERC721/1155/4337), Solana (web3.js, Anchor, Jupiter, Jito), XMTP

AI / ML: Anthropic API, Ollama (local LLMs), mlx-whisper, pyannote.audio

Infra & Tools: Docker, Nginx, AWS, GitHub Actions, Karate (test automation)

PROFESSIONAL EXPERIENCE

iLex *QA Engineer (Fintech, interbank loan management, 15-person team)* 2024 – 2025, Singapore

- Built a Karate-based test automation suite covering 500+ REST endpoints with 80% API coverage, replacing manual testing with stage-specific workflows across dev, staging, and production and cutting manual QA time by 80%.
- Surfaced 200+ critical bugs and edge cases through fuzz testing before release; integrated the suite into a GitHub Actions CI/CD pipeline with DevOps.
- Authored SOPs and a Python sync tool keeping the test suite aligned with API changes across releases.

BearingPoint *Blockchain IT Consultant* 2022 – 2023, Paris

- **Web3 CRM & mobile app:** designed a Web3-based CRM using XMTP messaging and ERC721/1155 product passports; built the React Native client with abstract account management (ERC4337) and AR features for a luxury-sector client.
- **Web3 training & sales enablement:** delivered Web3 curriculum to 400+ consultants and 300+ engineering students across 3 institutions; built Web2/Web3 hybrid PoCs that helped win contracts in the luxury sector.
- **TruBudget (Burkina Faso & Fundação Amazônia Sustentável):** adapted an open-source platform now powering Burkina Faso's external-finance management; built a custom Express overlay API, QR-based asset tracking (React Native), and on-premise blockchain node integration; ran a 10-day technical training for the local IT team.
- **CBDC Madagascar:** evaluated 16 CBDC technology suppliers via patent and whitepaper analysis, shortlisting 4 providers for the Central Bank.

Plebicom *Software Engineering Intern* 2020 – 2021, Paris

- Built an NLP pipeline (fuzzy matching, embeddings, supervised classification) mapping banking transaction labels to company names; the system has produced 1M+ matches to date and powers feature improvements on ebuyclub.com.

EDUCATION

EPITA, France 2017 – 2022

MSc in Computer Engineering. Specialisation: IT Consulting Innovation (algorithms, language theory, databases, software project management).

PERSONAL PROJECTS

Solana DeFi Multi-Strategy Trading Platform *TypeScript, Node.js, PM2, SQLite*

- Designed and shipped an automated multi-strategy trading bot running 24/7 on a self-hosted server, processing 10k+ transactions/day across DEX arbitrage, liquidations, keepers, and LST arbitrage on Raydium, Orca, Meteora, Kamino, and Drift; Jito bundles for MEV protection.
- Built a unified core (strategy orchestrator, centralised nonce manager, capital allocator with hard caps, global and per-strategy risk manager with kill-switch) and a Telegram-driven monitoring dashboard.

Voxa: Native macOS Transcription App *SwiftUI, Python, mlx-whisper, pyannote.audio*

- Built and distributed a native macOS app (signed .dmg) for on-device transcription with speaker diarization (pyannote 3.1) and GPU-optimised inference (mlx-whisper) on Apple Silicon; 200+ meetings recorded and synthesised in personal daily use. Source: github.com/ArmanetPierre/Local-Transcription-Mac.

- Integrated system-audio + microphone capture (ScreenCaptureKit), local meeting summaries via Ollama, and exports to TXT/JSON/SRT/Markdown.

B-Mad: Mobile Fitness Platform

Expo, React Native, TypeScript, Supabase

- Designed and built a cross-platform mobile fitness app (iOS, Android) for workout, group, and performance management, with a token-based design system and Supabase backend; currently in beta with daily active users.
- Engineered a Claude Code agent system used both as in-app coaching agents and as dev tooling (7 sub-agents) enforcing design tokens, accessibility (WCAG 2.2), performance budgets, and ROI-based test generation across the codebase.

Health Docs: AI-Powered Medical Records

Node.js, Express, Expo, Anthropic API

- Built a private medical-document management system (Express backend, MinIO storage, React Native client) with automatic classification and metadata extraction via the Anthropic API; 200+ personal medical documents processed.
- Implemented a RAG-style chat over personal medical records and an auto-generated, continuously updated patient summary.

SPOKEN LANGUAGES

English (fluent) French (native)