

KOUAKOU Kouablan Assiahué

Application Developer — streaming, fintech and AI

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alexiskouakou.site — seven playable demos in the browser

Video streaming – Audio streaming – Artificial intelligence – Fintech & payments – Ticketing & access – Interactive mapping – ERP & management

Since 2015 I have designed and shipped applications that run in production: HLS transcoding pipelines, Mobile Money collection, SYSCOHADA accounting, semantic search engines. Alone or in a team, from the database schema to the store.

PROFESSIONAL EXPERIENCE

Syitech Group since Jul. 2024 · Abidjan

Fullstack Developer — part-time fixed-term contract

- Sytium — multi-organisation ERP: 277 Eloquent models across 13 modules, SYSCOHADA accounting with a balance check on every entry, payroll, budgeting, fixed assets and a business AI assistant.
- Sydica — music streaming: monetisation engine tracking 8 revenue sources, creator payouts, financial back office and a formalised role matrix.
- Kultix — online ticketing and access control: 4 payment methods, offline ticket validation at the door.
- Syitech Cash — multi-operator Mobile Money agency management: transaction log, balances, cash-register closing and commissions.

Flok since Dec. 2023

Developer — design and implementation, Flutter and Laravel 12

- Hyperlocal social network: vertical video feed, map radar and end-to-end encrypted messaging.
- Complete video chain: 4-tier HLS transcoding from 240p to 1080p, moov atom moved to the front so playback starts before the download completes.
- Sliding-window player: at most 3 live decoders, versus one per item previously — which saturated the device after about thirty clips.
- AES-256-GCM encrypted messaging in a native implementation, feed ranked by Meilisearch with automatic fallback to MySQL.

Dstok 2023

Developer

- Short-video and classified-ads platform. First version of the video pipeline, later reused and extended in Flok.

Ebedou since Jun. 2022

Web and e-wallet Developer

- E-wallet backed by the Ethereum blockchain (ERC-20), paired with a publishing platform in web and mobile versions.

i13 SAS 2018 — 2022 · Abidjan

Head of Technical Department

- The company's mobile applications: electronic payment app, social network.
- Fundraising platform and blockchain-backed streaming platform.

IVAFORH 2018 — 2023

Head of Technical Department

- Development and maintenance of the company's website.

GLANV SARL 2015 — 2018 · Alexandria, Virginia, USA

Developer and Graphic Designer

- Development and maintenance of the website, production of the company's visuals.

CRO SARL 2015 — 2017

Head of IT Department

- Website design for clients, from launch to technical follow-up.

- Audiovisual production: camera work, editing, production of advertising spots.

Also: PrestigeBook (2022–2023) and Wishmee (since 2021) — social-network mobile apps, the latter built in a team. FixAi (since 2025) — AI-driven home-improvement journey, in development.

EDUCATION

2018 — 2020 Internet Application Developer — training institute

2015 — 2018 Engineering programme, audiovisual production — ESMA

2011 — 2013 BTS (two-year technical diploma) in visual communication — ESMA

CERTIFICATION

Industry 4.0 — UNIDO October — November 2025

Ivorian Vocational Training Centre, with the E4Y project, Novation City 4.0 and ISNA.

- Data science, MLOps, data analysis and visualisation, MES solutions, SCRUM, train-the-trainer.

TECHNICAL SKILLS

Backend Laravel (9 projects, since 2018) · PHP (9 projects, since 2015) · Symfony · Node.js · Django

Mobile Flutter and Dart (7 projects, since 2022) · React Native · Riverpod · Drift and Isar

Frontend JavaScript (8 projects, since 2015) · React (6 projects, since 2020) · TypeScript · Vue.js · Tailwind CSS

Data, infra MySQL · PostgreSQL · Redis · Meilisearch · Docker

Domains HLS and video transcoding · multi-operator Mobile Money · SYSCOHADA accounting · Ethereum ERC-20 · RAG, embeddings and tool-calling

Also WordPress, PrestaShop, Drupal, Joomla — CMS used in agency work.

More details: <https://alexiskouakou.site/fr/parcours>

LANGUAGES

French working language **English** good command