

ZAYRA TECHNOLOGIES · HORUS LAB

# Portfolio dossier

Our solutions and the projects delivered to our clients, from concept to deployment.



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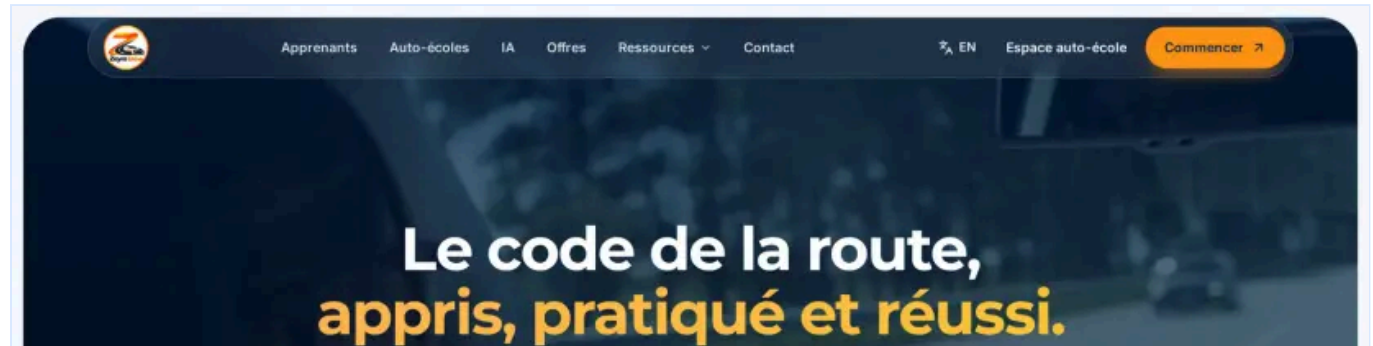
Education & EdTech · Making IT careers accessible everywhere in Africa.

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# Zayra Drive

The highway code, learned, practised and passed.

Client : Zayra solution · learners and driving schools



Zayra Drive prepares candidates for the theory part of the Cameroonian driving test: illustrated lessons, picture quizzes, timed mock exams and explained corrections, in French and English. Partner driving schools follow each learner's preparation.

## THE NEED

Candidates revised from scattered material with no view of their real level, and driving schools had no way to follow their learners between lessons.

## OUR ANSWER

A web platform and an Android app covering the whole journey, from lesson sheet to mock exam, with an AI tutor answering from the Zayra Drive sheets, a readiness score per topic and a dedicated driving-school space.

## KEY FEATURES

**Real mock exams.** 40 timed questions, part A text-only and part B on photos, just like the real day.

**Readiness score.** Topic by topic, it tells the candidate when to sit the exam.

**Sourced corrections.** Every answer is explained and backed by the relevant article of the code.

**AI tutor per module.** It answers questions using the lesson sheets.

**Offline revision.** Downloadable modules, sessions synced when the network returns.

**Zayra Drive Schools.** Driving-school dashboard: learner follow-up, DRV-code invitations, official results.

## SERVICES DELIVERED

- Product design and user journeys
- Website and management spaces (Next.js)
- API and database (FastAPI, PostgreSQL)
- Mobile Money payments
- Hosting, updates and operation
- Android app (Flutter) with offline revision
- AI tutor per module

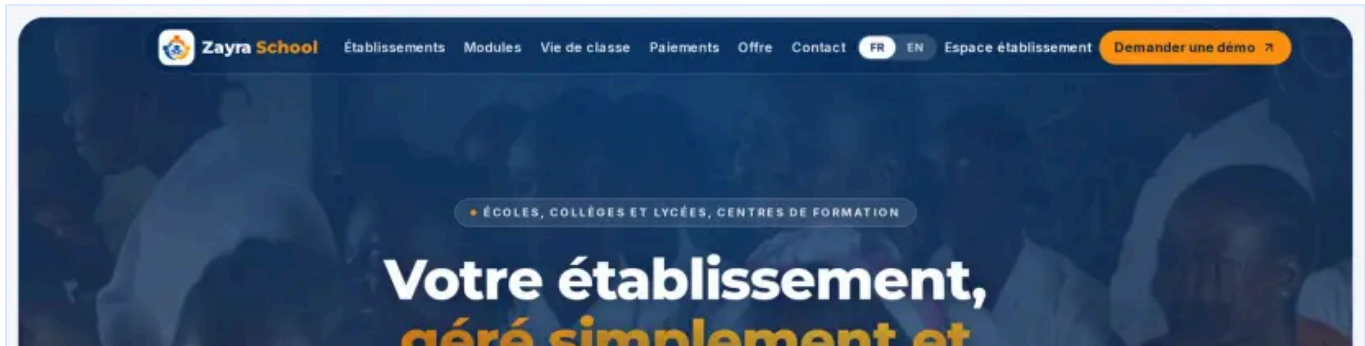
## RESULTS

- **Live: web and Android app**
- **686 corrected questions, 288 picture quizzes, 17 syllabus modules**
- **Essential plan: 10,000 FCFA for 90 days, paid via Mobile Money**
- **60% of each Essential subscription shared with the partner driving school**

# Zayra School

Your school, run simply and securely.

Client : Zayra solution · schools



Zayra School runs a school from enrolment to report card: teachers enter grades, management validates, families pay by Mobile Money and every issued document can be verified online. From nursery to university, in French and English.

## THE NEED

Many schools still run on paper or Excel: hard-to-reconcile cash desks, forgeable report cards, families told late about absences and payments.

## OUR ANSWER

A single tool tuned for each type of school (primary, French- and English-speaking secondary, LMD, training), with a grade-approval flow, QR-verifiable documents and automatically reconciled Mobile Money payments.

## KEY FEATURES

**Enrolment and fees.** Student records, re-enrolment and instalment payments, official receipts.

**Grades and report cards.** Entered by teachers, approved by management, dated and verifiable.

**Built-in Mobile Money.** MTN MoMo and Orange Money, automatic confirmation, never a double payment.

**Class life.** QR-code attendance, timetable shared on WhatsApp, alerts to families.

**Management dashboard.** Headcount, cash desk, arrears and results in one place, by role.

**Security.** Each school isolated in the database, custom roles and a log of every action.

## SERVICES DELIVERED

- Product design and user journeys
- Website and management spaces (Next.js)
- API and database (FastAPI, PostgreSQL)
- Mobile Money payments
- Hosting, updates and operation
- QR-verifiable report cards and certificates
- A website for each school

## RESULTS

- **Live, accessible from any browser**
- **11 modules, 3 report-card templates (primary, secondary, training)**
- **100% of actions logged**
- **Set-up from 200,000 FCFA, including the school's website**

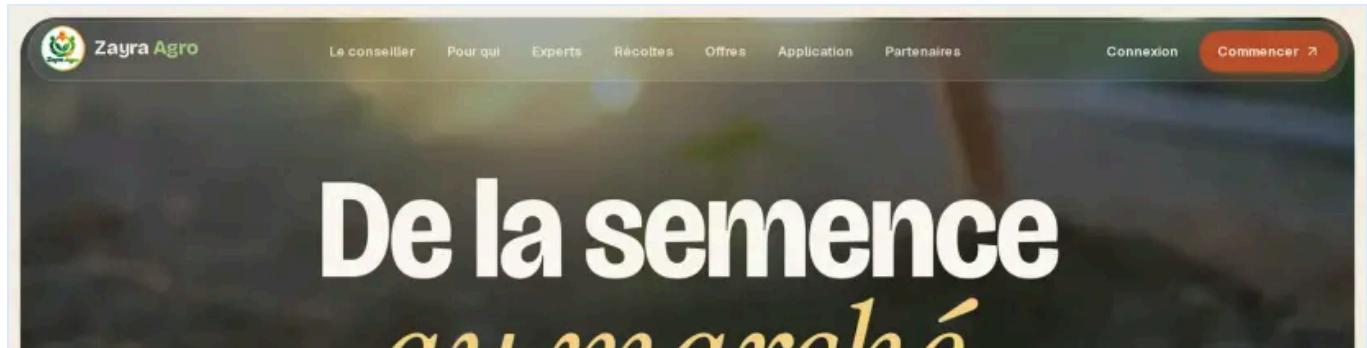
**Technologies :** Next.js · TypeScript · Tailwind CSS · FastAPI · PostgreSQL · Flutter · ReportLab (PDF) · MinIO · Docker

**Links :** <https://zayra.school.horus-lab.com> · <https://horus-lab.com/en/portfolio/zayra-school>

# Zayra Agro

From seed to market, an adviser in your pocket.

Client : Zayra solution · farmers and cooperatives



Zayra Agro supports farmers from seed to market: they learn, produce better, protect their harvest and find the right people to buy from and sell to. Input dealers, experts, storage operators and buyers work on the same information.

## THE NEED

Farm advice often comes too late for lack of field agents; inputs are costly and sometimes dubious; without storage or a reliable buyer, harvests are sold off cheaply.

## OUR ANSWER

An AI adviser built on an indexed agronomy base that cites its sources, training reviewed by agronomists, a catalogue of approved inputs, and links to verified experts when AI is not enough.

## KEY FEATURES

**AI farm adviser.** "My leaves are turning yellow" is enough: it understands the crop, the problem, and cites the reference.

**Validated training.** Short lessons and quizzes reviewed by agronomists, readable offline.

**Approved inputs.** Only validated products available close to home are suggested.

**Experts and missions.** Agronomists, vets, soil scientists: each mission goes to the nearest verified expert.

**Selling with confidence.** Dated, sourced reference prices; buyers and storage operators to contact directly.

**No financial middleman.** Farmers pay the seller or expert directly.

## SERVICES DELIVERED

- Product design and user journeys
- Website and management spaces (Next.js)
- API and database (FastAPI, PostgreSQL)
- Mobile Money payments
- Hosting, updates and operation
- AI adviser with semantic search (pgvector)
- Light Android app, offline lessons

## RESULTS

- **Live: web and Android app**
- **Over 1,500 indexed agronomy sheets**
- **10 regions of Cameroon covered**
- **Free for farmers during launch**

# Zayra Nkap

Your meeting's ledgers, paper-free.

Client : Zayra solution · tontines and associations



Zayra Nkap keeps a meeting's accounts in real time: contributions, tontines, savings, penalties and proof of payment, even offline on the treasurer's phone. Designed for Bamileke meetings and every tontine in Cameroon.

## THE NEED

Meetings keep their accounts in paper ledgers: manual sums, forgotten penalties, disputes over balances and withdrawals, little transparency for members.

## OUR ANSWER

An app that follows what the bylaws already provide (shares and half-shares, auctions, guarantors, relief, year-end split), with offline live entry, two-person approval of withdrawals and PDF financial statements.

## KEY FEATURES

**Live session entry.** The treasurer records each payment name by name, even with no network in the room.

**Multiple tontines.** Several tontines, shares and half-shares, capped auctions and logged random draws.

**Loans and relief.** Guarantors, schedules and the meeting's relief scale.

**Two-person approval.** Every withdrawal is approved by two board members.

**PDF statements.** Minutes, member positions and year-end split, ready to share on WhatsApp.

**Money stays with the meeting.** Contributions never pass through the tool.

## SERVICES DELIVERED

- Product design and user journeys
- Website and management spaces (Next.js)
- API and database (FastAPI, PostgreSQL)
- Mobile Money payments
- Hosting, updates and operation
- Offline Android app (Flutter, Drift)
- PDF financial statements and year-end split

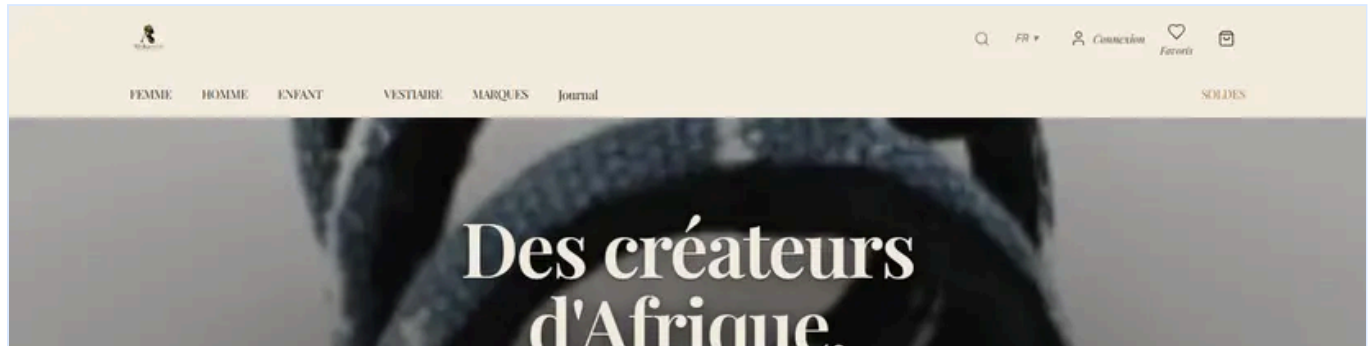
## RESULTS

- **Live: web and Android app**
- **Up to 100 members per meeting**
- **30-day free trial, then 5,000 XAF a month or 50,000 XAF a year**
- **Each meeting has its own address and isolated data**

# Afrikamode

The online store of an African fashion brand, in two countries.

Client : Afrikamode · Italy and Cameroon



Afrikamode is an African fashion brand present in Italy and Cameroon: an in-house line and guest designers, a contemporary aesthetic. We designed and built its multilingual online store and the back-office that runs it.

## THE NEED

Selling in two countries and several languages with a demanding brand image, while keeping day-to-day control of catalogue, stock, shipping and marketing without depending on a provider.

## OUR ANSWER

A fast, editorial store for customers, and a full back-office for the brand: products and variants, brands, categories, stock, shipping rates, marketing and multilingual content, all self-managed.

## KEY FEATURES

**Multilingual store.** Catalogue, product pages, cart and secure checkout, in several languages.

**Filterable catalogue.** Filters by size, brand, category and price.

**Editorial journal.** Fashion and lifestyle content to carry the brand image.

**Products and variants.** Variant options (sizes, colours), brands and categories.

**Stock and shipping.** Stock tracking and shipping rates managed from the back-office.

**Marketing and CMS.** Marketing overview and multilingual content run by the brand.

## SERVICES DELIVERED

- Store UX/UI design
- Web development (Next.js) and API
- Custom administration back-office
- Multilingual catalogue and content
- Secure payment
- Go-live

## RESULTS

- Live in Italy and Cameroon
- A complete store and back-office, self-managed by the brand

# Elec One

Control and reduce your electricity use from your phone.

Client : 2MeTech Sarl · Energy



Elec One is the mobile app that drives EnMKit, the smart energy-control device designed by 2MeTech. From their phone, users remotely switch off equipment left running.

## THE NEED

An iron, an air-conditioner, a TV left on: wasted electricity weighs on the bill, and the EnMKit box needed a simple interface to be used every day.

## OUR ANSWER

A clear mobile app that connects users to their EnMKit box and lets them follow and switch off their equipment remotely, in real time.

## KEY FEATURES

**Remote control.** Switch off equipment left running, from your phone.

**Real time.** Equipment status followed live.

**Lower bills.** Cut waste to durably reduce consumption.

**Built for daily use.** A simple interface every member of the household can use.

## SERVICES DELIVERED

- Mobile UX/UI design
- App development (Flutter)
- Integration with the EnMKit box
- Go-live

## RESULTS

- In production
- Electricity consumption controlled and reduced remotely

# Gathe Finance

## Cash flow under control for SMEs and freelancers.

Client : African SMEs and freelancers



Gathe Finance is a financial management platform for African freelancers and SMEs: tracking of every account, categorised transactions, budgets and dashboards.

### THE NEED

A small African business's money moves between cash, Mobile Money and bank: without a suitable tool, cash flow and profitability stay unclear.

### OUR ANSWER

A platform that brings every account together, auto-categorises transactions and presents cash flow and P&L in readable dashboards.

### KEY FEATURES

**Multi-account.** Cash, Mobile Money and bank tracked in one place.

**Auto-categorisation.** Transactions classified without tedious data entry.

**Budgets and goals.** Set limits and track financial goals.

**Reporting.** Cash-flow and P&L dashboards.

### SERVICES DELIVERED

- UX/UI design
- Web development and API
- Dashboards and reporting
- Go-live

### RESULTS

- A clear view of cash flow across every account

# e-Learning platform

Making IT careers accessible everywhere in Africa.

Client : IT learners and professionals



Edlearning is a training platform for IT careers: web development, Python, cybersecurity and more, with structured tracks and learner follow-up.

## THE NEED

Training seriously in IT is hard without a clear path or suitable resources, especially far from the big training centres.

## OUR ANSWER

Progressive tracks, organised resources and learner follow-up, in a mobile app accessible anywhere.

## KEY FEATURES

**IT catalogue.** Web development, Python, cybersecurity and more.

**Structured tracks.** Clear steps from beginner to advanced skills.

**Progressive resources.** Organised content to learn at your own pace.

**Learner follow-up.** Each learner's progress, visible at any time.

## SERVICES DELIVERED

- UX/UI design
- App development (Flutter)
- Learning tracks and learner follow-up
- Go-live

## RESULTS

- A complete catalogue of tech training

# **Let's talk about your project**

Horus Lab, the lab of Zayra Technologies, designs, builds, hosts and maintains your web and mobile applications.

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