

AMADOU COULIBALY

FULL-STACK SOFTWARE ENGINEER | REACT, PYTHON & MOBILE MONEY

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PROFESSIONAL SUMMARY

Full-stack software engineer with 4+ years of experience designing, building and operating production web and mobile-first applications in Cote d'Ivoire. I translate field and business needs into reliable products, from React interfaces and REST APIs to PostgreSQL data models, Mobile Money payment journeys and AI-assisted workflows. My applications support 800+ tenants and teams tracking more than XOF 80M in monthly payments.

800+

tenants supported

XOF 80M+

payments tracked monthly

XOF 20M+

Mobile Money rent monthly

PROFESSIONAL EXPERIENCE

TRABAD IMMOBILIER

Jan 2025 - Present

Full-Stack Developer & IT Lead | Abidjan, Cote d'Ivoire

- Own the product roadmap, development, releases and security of business applications used by property operations teams.
- Built Trabad Locataire, a mobile-first web/PWA portal integrating Wave and Orange Money, transaction verification and automated receipts; more than XOF 20M in rent is paid through the portal each month.
- Automated WhatsApp and SMS reminders, operational reporting and payment follow-up for 800+ tenants.
- Designed an AI assistant using retrieval-augmented generation and function calling to query collections and accounting data, support audits and detect billing anomalies.
- Build and maintain trabad.com, presenting the company, its services and available properties.

TRABAD IMMOBILIER

Jan 2024 - Jan 2025

Full-Stack Developer | Abidjan, Cote d'Ivoire

- Designed and deployed Trabad Gestion, centralizing tenants, landlords, properties, payments, receipts and collections; the platform tracks more than XOF 80M monthly.
- Modelled relational data, implemented users, roles and access controls, and developed dashboards for operations, treasury and management teams.
- Rolled the product into daily production use and prioritized improvements from direct user feedback.

EARLIER EXPERIENCE

MIKATCH GROUP

Apr 2022 - Dec 2023

Web Developer & IT Support | Cote d'Ivoire

- Designed and maintained business websites and digital content.
- Configured workstations and supported colleagues using internal digital tools.

SELECTED PRODUCT

SCANBUS

In production

Technical Co-founder & Full-Stack Developer

Mobile-first intercity bus booking and digital ticketing platform for Cote d'Ivoire. [scanbus.app](#)

- Led product design, architecture and full-stack delivery from concept to production.
- Integrated PayDunya, Wave, Orange Money and MTN Money into the booking journey.
- Implemented digital ticket generation and QR-code validation for field operations.

TECHNICAL SKILLS

Frontend & mobile: React, React Native, Next.js, TypeScript, JavaScript, Tailwind CSS, PWA

Backend & data: Node.js, Python, REST APIs, PostgreSQL, Supabase, webhooks

Payments & integrations: Wave, Orange Money, MTN Money, PayDunya, WhatsApp API, Orange SMS

AI & automation: RAG, function calling, LLM integration, audit assistance, anomaly detection

Delivery & quality: Git, GitHub, Vercel, GitHub Actions, CI/CD, testing, application security, AWS fundamentals

TRAINING & CERTIFICATIONS

SIMPLON COTE D'IVOIRE

2022

Intensive Web & Mobile Development Program

- AWS Certified Cloud Practitioner - 2023
- Fullstack Development with Next.js, Coursera - 2023
- Python Application Developer, OpenClassrooms - 2020
- React Single-Page Applications, Udemy - 2020

LANGUAGES

French: Fluent | **English:** Technical working proficiency