

MOUHAMADOU LAMINE THIAM

Software Engineer, AI & Data Science: designing, securing, deploying and maintaining production web products in Senegal

Web Development • Cloud & Security • Artificial Intelligence • Data

CONTACT

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Senegalese, driving licence B

SKILLS

LANGUAGES

Python Java JavaScript

TypeScript SQL PHP C

FRONT-END

React Next.js Angular Tailwind

HTML/CSS Figma

BACK-END

Spring Boot Django Node.js

Express Fastify NestJS

DATA & AI

Pandas NumPy Spark

Machine Learning Power BI

DATABASES

PostgreSQL MySQL MongoDB

Firebase Supabase

CLOUD & DEVOPS

Docker Git Azure Linux

LANGUAGES

French: native · Voltaire certificate 581 (2022)

English: B2 · TOEFL iBT 84/120 (2025)

Wolof: native

Spanish: basic

CERTIFICATES

Project Management MOOC (2023)

English proficiency, Indiana Univ. of Pennsylvania (2022)

Peex'IT Group: Python, UI Design, Web & PHP

PROFILE

Software engineer based in Dakar, I own the full life cycle of a product: design, development, security, deployment and production maintenance, not just the code. In a little over a year I built a portfolio of SaaS products now used by real Senegalese businesses and customers: an industrial ERP for 50+ employees, a credit-management PWA adopted by 10 shops, an e-commerce site running stably in production with 100+ sales, and several platforms deployed for food service, retail and services. Currently completing a Master's in AI & Data Science, I am seeking a work-study placement to put this end-to-end autonomy at the service of an ambitious team.

EXPERIENCE

- Software Developer Intern** · SNSoftware, Dakar 2025
- Worked with Angular and Spring Boot in a professional environment on an enterprise-grade architecture.
 - Built a library management system: book inventory, member management, borrowing and return tracking, overdue alerts.
- Developer Intern** · GOMYCODE, Dakar 03/2024 – 07/2024
- Mentored 2 students weekly (HTML, CSS, JavaScript) with personalised follow-up that led to measurable progress and validation of their projects.
 - Designed and built a complete React platform (Next.js, TypeScript) with several modern features, delivered at the end of the internship.
- Full-Stack Developer Intern** · VOLKENO, Dakar 07/2023 – 10/2023
- Built the REST APIs (Django) of an online assessment platform used by Bakeli School students to take their software-development tests.
 - Created the analytics dashboard (React) letting administrators view results and statistics in real time, working in Agile sprints with Figma prototypes.
- Developer Intern** · Peex'IT Group, Dakar 07/2022 – 09/2022
- Designed and delivered the complete Figma mock-up of a highly customised e-commerce site; completed Python and web-integration (PHP) mini-projects.

PROJECTS

- Techniques Industries ERP (tind.sn)** IN PRODUCTION
- ERP built from scratch for an industrial SME of 50+ employees: HR, time tracking, finance and purchase requests, used daily.
- Next.js · Supabase · PostgreSQL · tinderp.vercel.app
- SamaCredit** IN PRODUCTION
- Customer-credit management PWA, adopted by 10 shops from launch (2026).
- React · Next.js · Supabase · PWA · samacredit.web.app
- Soow Piir** IN PRODUCTION
- Single-product e-commerce site for an artisanal curd producer (freelance): guest checkout, NabooPay payment with idempotent webhook, PWA back-office. Stable for 3 weeks, 100+ sales.
- Next.js · PostgreSQL · Coolify/VPS · Cloudflare · soowpiir.com
- SamaResto** DEPLOYING
- Multi-tenant SaaS syncing kitchen and cashier in real time for Senegalese fast food, deployed on tablets in the kitchen and at the till.
- Fastify · Drizzle · PostgreSQL · Redis Streams · WebSocket · offline-first PWA
- Sama Quincaillerie** IN PRODUCTION
- Commercial management platform for neighbourhood hardware stores: catalogue, stock, sales and customer credit, with 440 items digitised.
- React · NestJS · Prisma · PostgreSQL · samaquincaillerie.vercel.app
- JFC Club** IN PRODUCTION
- Multi-salon subscription SaaS for a barbershop network: physical QR cards, staff scanner, public digital membership card.
- React · Vite · Tailwind · multi-tenant architecture · jfc-club.vercel.app
- 3D Portfolio** IN PRODUCTION
- Interactive portfolio with real-time animation.
- Three.js · Next.js · WebGL · iamlamino.com

EDUCATION

- Master: Artificial Intelligence & Data Science**
- Swiss UMEF University · 2025 – present
- Machine Learning · Deep Learning · Big Data · Generative AI · Cloud Computing
- Bachelor: Innovation Management & Digital Technologies**
- Institut Mines-Télécom, Dakar · 2021 – 2024 · Honours (Mention Bien)