

Assane DIA

Full-stack developer · Data & AI

contact@xel-labs.com assane.xel-labs.com linkedin.com/in/assane-dia-github.com/sannassD

Dakar – Thiès, Senegal · Available remotely

PROFILE

Full-stack developer with a bachelor's in software engineering, currently studying for a master's in data engineering and artificial intelligence. As founder of Xel Labs, I build web, mobile and desktop applications, APIs and data solutions, from specifications to production.

EXPERIENCE

Founder · Designer & Developer · Xel Labs 2026 – present

Founded and run a technology studio. Design, development and deployment of websites, business applications and data solutions for clients in Senegal and abroad: scoping, mockups, development, deployment and maintenance.

Developer · Iba Der Thiam University 2023 – 2024

Course and grade management platform, inventory accounting app (StockSET), medical management desktop app, dynamic websites.

System administrator · Iba Der Thiam University 2023 – 2024

Windows Server administration, backups with Veeam Backup.

Manager · PRIMO, LANA, ACE distribution 2022 – present

Logistics, deliveries, sales tracking and customer relations.

General secretary & digital communications · Rue Public du Cœur (non-profit) 2020 – present

Digital communications and social media.

KEY PROJECTS

Denc, Jàng, Wér — Xel Labs
Three live SaaS products: inventory & sales, school management, healthcare management
React, Spring Boot, PostgreSQL

Multi-service platform
Real estate, vehicles and online store
React, TypeScript, Spring Boot, PostgreSQL

BFEM exam management
Candidates, grades, automatic deliberation, exports
Python, PyQt5, SQLite

SKILLS

Front-end
React, Angular, TypeScript, JavaScript, Tailwind CSS, HTML/CSS

Back-end
Java, Spring Boot, Laravel, PHP, Node.js, Django, REST APIs

Data & AI
Python, pandas, scikit-learn, TensorFlow, Jupyter

Databases & tools
MySQL, PostgreSQL, SQLite, Docker, Linux, Git, Figma

EDUCATION

2025 – ongoing
Master's in Data Engineering and AI
Iba Der Thiam University, Thiès

2021 – 2025
Bachelor's in Software Engineering
Iba Der Thiam University, Thiès

2020
Scientific baccalaureate
Lycée Malick Sy, Thiès

LANGUAGES

French — fluent
English — intermediate