

ASTOU MBOW

Full Stack Web & Mobile Developer

Dakar, Senegal

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Professional Profile

Versatile Full Stack Web and Mobile Developer with expertise in building secure, scalable, and high-performance applications. Co-founder of a tech startup with experience managing end-to-end client projects, developing web and mobile solutions, and delivering business-aligned applications. Skilled in front-end frameworks (Angular, React, Next.js), back-end technologies (Laravel, Node.js, NestJS), mobile development (Flutter), REST APIs, database management, and DevOps practices (Docker, CI/CD). Strong attention to detail and leadership experience in small teams.

Technical Skills

Frontend: Angular, React, Next.js, TypeScript, JavaScript, Tailwind CSS

Backend: Laravel, PHP, Node.js, NestJS, Express, REST API, GraphQL

Mobile: Flutter, Responsive Design

Databases: PostgreSQL, MySQL, MongoDB

DevOps & Tools: Git, GitHub, Docker, Linux, CI/CD, Jenkins, Swagger, Postman, Figma

Architectures: MVC, Modular, API First, basic Microservices

Professional Experience

Ecosys IT Services — Co-Founder & Full Stack Developer

Entrepreneurship — 2023 – Present — Senegal

Website: ecosys-it-tservice.vercel.app

- Co-founded a startup delivering tailored IT solutions.
- Managed end-to-end client projects: requirements analysis, design, development, deployment.
- Successfully delivered 15+ client projects.
- Led and coordinated a team of 3 developers.
- Developed full-stack solutions: UI/UX, backend, mobile, deployment.
- Provided technical consulting and architecture design.
- Implemented DevOps practices including Docker and CI/CD.

Technologies: Angular, React, Next.js, Laravel, Node.js, Flutter, Docker, PostgreSQL, MySQL

Banking API — Account and Transaction Management

Backend Developer

- Built a secure REST API for client, account, and transaction management.
- Implemented automatic client and account creation.
- Developed full CRUD operations for bank accounts (create, update, block, unblock).
- Automated account blocking using Laravel Jobs.
- Validated National ID (NCI) and Senegalese phone numbers.
- Developed deposit, withdrawal, and transfer functionalities.
- Applied security best practices: middleware, rate limiting, logging.
- Integrated email and SMS notifications via events and queues.
- Documented API using Swagger and Postman.

Technologies: Laravel 10, PostgreSQL 15, Docker, Swagger, Linux

MAXIT SA — Money Transfer and Account Management Platform
Full Stack Developer

- Developed backend and web interfaces for account management.
- Implemented client account creation and management.
- Built transaction history and reporting modules.
- Managed roles and permissions.
- Integrated transactional notifications.

Technologies: PHP (OOP), MVC, MySQL, PostgreSQL, Docker, NGINX, CI/CD

WOYOFAL App — Electricity Credit Purchase System
Backend Developer

- Implemented secure recharge code generation.
- Managed meters, customers, and purchase history.
- Ensured full transaction logging and auditing.

Technologies: PHP (OOP), REST API, Docker

AppDaf API — Customer Identity Verification (NCI)
Backend Developer

- Built automated identity verification using NCI.
- Processed and formatted customer data.
- Integrated securely with financial systems.

Technologies: PHP (OOP), REST API, JSON, Docker

Payroll Management System — HR and Payroll
Full Stack Developer

- Managed employees and profiles.
- Implemented automated salary calculation.
- Generated PDF payslips.
- Tracked accounts and balances.

Technologies: React, Next.js, Angular, Tailwind CSS, MySQL, PostgreSQL

Education and Certifications

Web and Mobile Development — Sonatel Academy (2024–2025)

Azure DevOps Boards Certificate — Coursera (2025)

Jenkins CI/CD Automation Certificate — Coursera (2025)

Learn Object-Oriented Programming with PHP — Coursera (2025)

Prompt Engineering Certificate — Coursera (2025)

Bachelor's Degree in Management and Economics — UCAD (2020–2022)

High School Diploma (Science – S2) — Lycée Cheikh Hamidou Kane, Mbao (2019)

Languages

Wolof (Native)

French (Fluent)

English (Intermediate – B1)

References

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