



BABACAR NDOUR

Software Engineer

IT Manager · Cybersecurity & Digital Forensics Analyst · Dakar, Senegal

Software engineer and IT Manager, I design and ship business platforms end to end — from requirements to production. I specialise in systems with real constraints: multiple user roles, sensitive data, mobile payments and architecture built to last. Dual background in systems administration, cybersecurity and digital forensics.

CONTACT

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Location Dakar, Senegal

TECHNICAL SKILLS

Frontend

HTML, CSS, JavaScript, TypeScript, React, Next.js, Angular, Tailwind CSS, Vite

Backend

Node.js, NestJS, ASP.NET Core, Spring Boot, Java, EF Core, REST APIs, JWT

Databases

PostgreSQL, SQL Server, MySQL, MongoDB, Supabase (RLS)

Mobile

Flutter, Firebase

DevOps & Cloud

Linux, Bash, PowerShell, Docker, Git, CI/CD, Nginx, Vercel, Dokploy, Hetzner

Security & network

TCP/IP, firewalls, VPN, SIEM, cryptography, API hardening, Wireshark

Forensics (DFIR)

Autopsy, Sleuth Kit, Volatility3, YARA, Ghidra, radare2, LiME, exiftool

AI & agents

Claude Code, Groq / Llama 3.1, prompt engineering, AI agents

LANGUAGES

- French — native
- English — professional working level

STRENGTHS

Autonomy, rigour, attention to detail, security-first mindset, collaborative work, clear communication with non-technical stakeholders.

INTERESTS

Video editing (CapCut), technology watch and AI tooling.

PROFESSIONAL EXPERIENCE

IT Manager

Kerma Developments — Dakar

Current

- Own the company's IT infrastructure and information security.
- Design and build internal and public platforms: corporate website, property and condominium management system.
- Led the corporate email migration and access hardening.

Freelance developer

Self-employed

2022 – 2024

- Custom websites and applications, Python automation scripts.
- Cybersecurity consulting engagements.

IT Intern

Terminaux Vraquiers du Sénégal

Jun – Aug 2024

- IT infrastructure support and administration.

SELECTED PROJECTS

stre3t.com — e-commerce marketplace, live in production.

Kerma Developments — corporate website and real-estate management platform (condominium, assets, residents) with Wave / Orange Money payments.

AlertCitoyen — anonymous citizen reporting platform, live in production.

Positif+ — secure PWA for a sensitive population (Master's thesis): pseudonymisation, stealth mode, AI assistant.

COLLECTAAY — REST API for recurring contribution collection (NestJS, Clean Architecture, RBAC).

GalsenDownloader — ad-free video download PWA with signed links (ISOopen brand).

EDUCATION

MSc in Software Engineering (MICDA)

Since 2023

Université Numérique Cheikh Hamidou Kane (UNCHK) — thesis: Positif+

BSc in Computer Science — Application Development

2019 – 2023

Université Numérique Cheikh Hamidou Kane (UNCHK), Dakar

BSc in Multimedia Computing and Communication

2020 – 2023

IACD Barack Obama, Dakar

CERTIFICATION

Information Security Analyst

Dec 2023 – Jul 2024

Gomycode