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Aboubacar Sangaré

Full-stack and mobile software engineer

Profile

Full-stack and mobile software engineer based in Bamako. Co-founder and CTO of MITIC SARL, partner at LB2S Technology Corp, and developer of real-time transactional systems for a large Malian company. I design and ship web, mobile and desktop platforms for companies and institutions across West Africa, with prior experience at a large European e-commerce agency.

Professional experience

Full-stack developer, Large Malian company — July 2025 – present, Bamako

- Transactional engines in Java 21 and Spring Boot on PostgreSQL, built for high volume and full traceability.
- Angular admin back offices: points of sale, terminals, users and reporting.
- Android app for point-of-sale terminals (React Native, Expo) with thermal printing and QR codes; self-service kiosks (Ionic, Capacitor).
- Real-time displays over WebSocket; Docker, Nginx and continuous deployment.

Co-founder and CTO, MITIC SARL — May 2024 – present, Bamako

- Technical vision and architecture for the company's SaaS products.
- MITICSchool: end-to-end school management, web app plus iOS and Android apps published on the stores.
- MiticCare: multi-role connected health platform (hospitals, doctors, patients); Sanu Pressing; ERP PME Mali (SYSCOHADA accounting, Malian tax, payroll) in development.

Partner and CTO, LB2S Technology Corp — August 2024 – present, Bamako

- Partner in the company; responsible for technical choices and the quality of software deliverables.
- Building websites and web applications for LB2S and its clients.

Full-stack developer, Independent — 2024 – present, Bamako, remote

- SELECTMALI 2026 (AmCham Mali) and RE+ Mali 2026 (U.S. Embassy and AmCham Mali): event, registration and selection platforms.
- VLCR and MINÈW Track (VOILAGEMCO): mining local-content ratings with QR-verified certificates, and container tracking over WhatsApp.
- BaraGo, Benkadi, AfriTunes, GestStock (offline Windows software in Tauri) and sites for DUNESTATE, AVITWEB, Inter-Mining Services, Dah Transit and ACL Sécurité (France).

Developer, Emomar — February 2024 – July 2025, Bamako

- Company website (emomar.net) and internal web applications.
- Desktop property management application (Django, Next.js, PyWebView).

Web and mobile development instructor, CTDITSchool — December 2023 – February 2024, Bamako

- Taught web and mobile development (HTML, CSS, JavaScript, React, React Native) and Python (Django).

Web developer, Scandiweb — September 2022 – November 2023, Latvia, remote

- E-commerce storefronts for Citadele X Reward, Macron, Rockler, Weekend Shoes and Novatours.
- Integrated third-party extensions into Magento and ScandiPWA: Braintree, Paysera, Zendesk, Amasty (reviews, social login, gift cards), MagePlaza.
- React, Redux and TypeScript front ends talking to Magento (PHP) REST and GraphQL APIs, with performance tuning.

Web developer intern, Tensor — October – November 2021, Ufa, Russia

- Online education platform in React and Node.js; trained in React, Angular and Python (Flask).

Developer intern, BashNIPIneft — June – July 2021, Ufa, Russia

- Oil well data extraction and visualisation platform (Django, D3.js), with authentication and access control.

Network and telecoms technician intern, IDSahel — March – October 2017, Bamako

- Installed corporate networks, configured web, file, print and database servers, and maintained hardware.

Selected projects

MITICSchool miticschool.com
School management SaaS: enrolment, grades and report cards, attendance, timetables, finance and messages to parents.

MINÈW Track minewtrack.vercel.app
Container tracking for West African freight forwarders. Customers follow their container on WhatsApp, drivers share GPS, and managers see demurrage costs in FCFA.

AfriTunes afritunes.org
African music streaming app for iOS and Android, with in-app subscriptions and a dashboard for artists.

MiticCare miticcare.com
Connected health platform for Mali: appointments, medical records, prescriptions and subscriptions for hospitals, doctors and patients.

VLCR vlcr-website.vercel.app
The agency that rates the local content of mining companies in Mali: public ratings registry, score simulator and PDF certificates verified by QR code.

SELECTMALI 2026 selectmaliavitweb.vercel.app
Platform for the Bamako international business and investment forum (11–13 November 2026): programme, registration and admin.

Full portfolio: abouba.ml

Technical skills

Languages
TypeScript, JavaScript, Java, Python, PHP, SQL, Rust (Tauri), C / C++

Mobile and desktop
React Native, Expo, Ionic, Capacitor, Tauri, App Store and Play Store releases

Data
PostgreSQL, MySQL, SQLite, MongoDB, Prisma, Drizzle, Supabase, Redis, Firebase

Integrations
Mobile Money, WhatsApp, In-app purchases, PDF and QR codes, Maps (Leaflet), Transactional email

Web
React, Next.js, Angular, Tailwind CSS, Three.js, React Three Fiber, GSAP, next-intl

Back end
Spring Boot, Node.js, Express, Django, Laravel, REST, GraphQL, WebSocket, Better Auth, NextAuth

Infrastructure
Docker, Nginx, Linux, Vercel, AWS, GitHub Actions, Gitea CI/CD

Education

Bachelor's degree in mathematics and computer science 2018 – 2022
Ufa State Aviation Technical University, Russia

Russian language certificate 2017 – 2018
Bashkir State University, Russia

Bachelor's programme in networks and telecommunications (electrical engineering and industrial computing) 2014 – 2017
Institute of Applied Sciences (USTTB), Bamako

Awards

President of the Transition's Excellence Award 2023
Presented by Mali's Head of State for results in international robotics competitions

University Academic Council scholarship 2020
Ufa State Aviation Technical University, for academic and research results

State of Hesse scholarship 2017
World University Service Germany, for academic and research results

Certifications

Adobe Certified Professional, Adobe Commerce Developer Adobe, earned at Scandiweb, 2023

Web development certification (front end and back end)
Tensor, Ufa, Russia, 2021

HackerRank: JavaScript, Python, CSS, problem solving
HackerRank

Personal data protection: concepts and techniques
AGETIC (Mali's ICT agency), Bamako, 2017

Languages

Bambara native

French fluent

English fluent

Russian fluent

References available on request.