Moussa Djouldé DIALLO

Software Engineer | Tech Entrepreneur | Social Innovation Leader

Software engineer (State Engineering Degree in Computer Science, June 2026) building digital products with social impact. Founder and co-founder of two IoT and AI ventures in healthcare and agriculture, recognised three times in innovation competitions.

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Education

State Engineering Degree in Computer Science (5 years)
Kofi Annan University of Guinea
Oct. 2021 – June 2026 · graduated — *Conakry, Guinea*

- Software development, systems, networks, databases and digital technologies.
- Final-year project: *design and deployment of a real-time health monitoring platform combining a connected wristband, an application for health professionals, a mobile app for patients and machine learning. Case study: Donka University Hospital.*

Master's degree: application submitted
McGill University
Fall 2027 — *Montréal, Canada*

Additional training and certificates
Orange Digital Center
Mar. 2025 – Dec. 2025 — *Ratoma, Conakry*

- UX/UI Design certificate | 2025

Professional experience

Deputy CEO & Chief Technology Officer
CAS-MARKET
Since May 2026 — *Conakry, Guinea*

- B2B/B2C e-commerce platform in production (47 registered users, Nov. 2026): backend in 3 FastAPI microservices, Mobile Money payments with escrow, GPS delivery tracking.
- Next.js web and Expo mobile apps; continuous integration and production deployment.

Backend Developer Intern
Tulip Industries
Apr. 2026 – June 2026 — *Sonfonia T7, Guinea*

- Backend API development, secure web services and database management.
- Contributed to the design of business software solutions.

IT Intern
Orange Digital Center
Sept. 2024 – Oct. 2024 — *Ratoma, Conakry*

- Built forms for web applications and trained students on digital tools.
- Took part in the **"Des Ateliers dans l'Eau"** workshop: team design of an autonomous boat that collects waste.

Networks & Systems Intern
MPD & Frères
May 2024 – July 2024 — *Conakry, Guinea*

- Deployment and configuration of workstations, IP cameras and sensors; network maintenance and technical support.

Languages

French
Fluent

English
Intermediate

Entrepreneurship

Founder & CEO
HealthSecure
Since July 2025 — *Conakry, Guinea*

Connected health platform for real-time patient monitoring. Technical lead of a team of 5.

Co-founder & COO
SmarTrack
Since June 2025 — *Ratoma, Conakry*

IoT and AI solution for real-time livestock tracking with automatic anomaly detection. Co-managing a team of 6.

Student life

Financial Secretary – Technical Committee
ASEEP (Polytechnic students' association)
Feb. 2024 – Mar. 2025 — *UKAG, Conakry*

Financial tracking of technical activities, organisation of student events and contribution to the association's initiatives.

Awards

1st Prize, YEN Innovation and Engineering Award – SmarTrack · YOUTH Engineers Network (2026)
For a technological innovation applied to smart agriculture.

1st Prize, Social Entrepreneurship Competition – HealthSecure · UKAG, Entrepreneurship Centre (2026)
For a digital solution improving medical follow-up through connected technologies.

3rd Prize, Orange Summer Challenge – SmarTrack · Orange Digital Center (2025)
For a technology that helps farmers monitor their livestock and detect anomalies.

Technical skills

Languages & Frameworks
React.js, Next.js, Laravel, Django, FastAPI, PHP, JavaScript, TypeScript, Quarkus, Expo

Databases
PostgreSQL, MySQL, SQL Server, Oracle, Redis

Technologies & Tools
IoT, Artificial Intelligence, Machine Learning, REST APIs, Docker, Git/GitHub, Figma, VS Code, MinIO, Nginx