

MOUSSA MAHAMAT NASSOUR

Software Engineer

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CAREER SUMMARY

Young tech innovator and CTO/Co-founder of [Chadnova](#) with strong product thinking and project leadership. Experienced in building practical web and mobile solutions, including leading the end-to-end development of Cleanex, a platform helping students access reliable cleaning services. Skilled in turning real-world problems into scalable digital products.

EDUCATION

BACHELOR'S DEGREE | Computer Science | Kigali Independent University

2021 – 2024

MASTER'S DEGREE | Internet Systems | Kigali Independent University

2024 – present

PROFESSIONAL EXPERIENCE

CIC MICROFINANCE | Intern | Kigali, Rwanda

JAN 2024– AUG 2024

- Maintained and troubleshoot IT systems to ensure reliable performance and scalability, aligning with organizational technology needs.
- Acquired hands-on experience in database management, system security, and network configuration, reinforcing core technical fundamentals.
- Assisted in designing and developing new features for internal financial software, contributing to improved system functionality.
- Collaborated with cross-functional teams to diagnose and resolve technical issues, demonstrating effective communication and teamwork.

CHADNOVA | Co-founder & CTO. | Kigali, Rwanda

Aug 2025 – Present

Chadnova is a modern tech company focused on building practical, user-centered digital products and offering hands-on tech training. We develop scalable web and mobile solutions that solve real-world problems while equipping learners with the skills they need to grow in today's tech landscape. AS CTO, I:

- Lead the company's technology strategy and roadmap, ensuring all products align with ChadNova's vision of building impactful digital solutions for communities. Oversaw software development, system architecture, and technical operations across all projects.
- Architected and supervised development of key platforms, including **Cleanex** (student-cleaner service platform), **AgriVision** (AI-powered crop recommendation & plant disease detection). Built and guided the engineering process, ensuring secure, reliable, and scalable digital solutions.
- Oversaw backend, frontend, and AI model integration, ensuring scalable, secure, and high-performance systems across all projects.
- Managed cross-functional collaboration between product, design, and engineering teams to deliver reliable and user-centered digital products.
- Implemented best practices in development, documentation, and deployment, strengthening ChadNova's technical foundation for future growth.

PROJECTS

Cleanex – Student Cleaning Service Platform | [link](#)

Built a mobile platform connecting students with trained women cleaners, creating employment opportunities and providing digital and service-skills training to support their financial independence. Developed the full service workflow, price calculation, admin verification system, USSD payment confirmation, and automated receipt emails.

Tchab Tchab (MVP) | [link](#)

Product Lead and main developer (2025)

Created a 4-role delivery platform (user, courier, vendor, admin) aimed at reducing youth unemployment. Designed core features including order creation, courier workflow, admin tracking, and pricing logic.

Climate Resilient Farming Advisor | [link](#)

An AI-powered web application that helps farmers make data-driven decisions by providing personalized crop recommendations based on real-time weather, climate, and location data.

Citizens' Complaints | [link](#)

The Citizen Engagement System is a Minimum Viable Product (MVP) built for a hackathon, focusing on improving how Rwandan citizens submit complaints or feedback about public services.

- The system automates routing submissions to the appropriate government agency and allows citizens to track the status of their tickets.

Plant Doctor | [link](#)

- Plant Doctor is a React Native application designed to help users diagnose and treat plant diseases.
- The app uses the OpenAI API to provide insights and recommendations based on user inputs.

LEADERSHIP

Student Union, Lycée Ibnou Cina, N'Djaména, Chad

Oct 2018 - Jun 2020

General Secretary

- Oversaw student activities and events, acting as a liaison between the student body and administration.
- Led initiatives to improve academic and extracurricular programs
- Developed leadership skills through organizing campaigns and managing student resources.

Union of Chadian Students in Rwanda

Jan 2022 - Present

Member

- Currently involved in initiatives supporting Chadian students in Rwanda.
- Aspiring to establish a technology company that will bridge innovation gaps within my community.

ChadNova — Chairman & CTO

Co-founder

Represent the organization in partnerships, competitions, and external engagements, strengthening ChadNova's visibility and impact. Lead cross-functional collaboration between engineering, design, product, and community teams to deliver impactful digital solutions. Provide strategic leadership and governance as Chairman, ensuring the company's mission and long-term vision guide all operations. Oversee all technical direction as CTO, leading innovation across AI products, mobile platforms, and web systems.

SKILLS & INTERESTS

- **Languages:** Arabic Native, French Native, English Fluent, Spanish Medium
- **Technical Skills:** PHP, Python, JavaScript, Node.js, React Native, AI/Machine learning,
- **Interests:** Aerospace Studies, Artificial Intelligence (AI), Learning new technologies and tools
- **Hobbies:** Reading books, particularly religious texts and self-improvement literature., Playing football for recreation and fitness.