



Doudou Mohamet GAYE

Digital Impact Associate | AI & Digital Transformation | Automation & Data Solutions | Power Platform

Digital Impact Associate with over 7 years of experience in digital transformation, AI, automation, data management and technology solutions within UNICEF and international environments. Experienced in designing and implementing scalable digital solutions using AI, Microsoft Power Platform, SharePoint, Power BI and modern web technologies, supporting regional operations across WCARO. Proven ability to leverage emerging technologies, automate processes, improve knowledge management.

Golf Sud , Dakar ,Senegal doudoumohametgaye@gmail.com +221 77 393 80 80 +221 782257053 Senegalese

Driving licence (B) Married Open to remote work

Skills

Microsoft Ecosystem

- Power Automate
- Power Apps
- Power BI
- SharePoint Online
- Microsoft 365 (Excel, Teams)

ICT & Systems

- Technical Support (L1/L2)
- Incident Management (ServiceNow)
- System Administration
- Infrastructure Monitoring

Data & Automation

- Workflow Automation
- Data Management & Data Quality
- Reporting & Dashboards

Development (Supporting Skills)

- Python
- Drupal
- PHP / Symfony
- JavaScript / HTML / CSS
- Git / GitHub

Digital Tools & Collaboration

- RapidPro
- Asana
- Infogram

Professional experience



Digital Impact Associate

Since Jan. 2025 (1 year ½)

UNICEF, Dakar, DK, Senegal

Technical Support & Incident Management

- Providing first- and second-level technical support, including receiving, processing, and logging service requests through the service management tool (ServiceNow).
- Managing the lifecycle of ICT incidents and resolving technical issues related to systems, equipment, and videoconferencing.
- Creating user guides and documentation to facilitate the adoption of ICT services.

System Administration & Infrastructure

- Installing, configuring, and maintaining ICT equipment and software in accordance with internal standards.
- Proactively monitoring server systems to detect and resolve critical incidents.
- Generating detailed reports for ICT activity tracking and performance analysis.

Process Digitalization & Automation (Office 365)

- Developing PowerApps applications integrated with SharePoint to automate administrative workflows (e.g., service request application).
- Automated key business processes using Power Automate, improving efficiency and reducing manual workload across regional operations.
- Digitizing asset management processes by integrating Excel files into SharePoint.
- Implementing project tracking tools using Asana and Microsoft Planner to enhance activity monitoring.

SharePoint Site Management & Digital Collaboration

- Creating, optimizing, and renovating SharePoint sites to facilitate collaboration and information accessibility.
- Enhancing the usability of digital platforms to ensure intuitive and efficient navigation.
- Providing ongoing training for teams, strengthening adoption of Microsoft 365 tools across the region.

AI, RAG & Digital Innovation

COAR Intelligence Box

- Designed and developed a **100% local Retrieval-Augmented Generation (RAG) solution** for querying and reviewing UNICEF Country Office Annual Reports (COAR).
- Implemented document ingestion, chunking, embeddings, vector search and AI-generated responses using **Ollama, Qdrant, FastAPI and React**.
- Developed an automated review capability to compare COAR reports against UNICEF guidance and identify potential gaps.

Local Personal Assistant RAG

- Designed and developed a **privacy-first local AI assistant** enabling secure retrieval and generation of responses exclusively from locally stored knowledge.
- Implemented document ingestion, semantic search, knowledge-base management and conversation history using **FastAPI, Python, React, Ollama, Qdrant and SQLite**.
- Applied a local-first architecture to ensure AI processing, embeddings and vector search remain within the local environment.

Languages

Wolof

French

English

Interests

AI & Automation

Scalable Digital Solutions

Social networks

@dmgay96

@doudoumohametgay96

Professional experience

T4D Consultant

From Jan. 2023 to Dec. 2024 (2 years)

UNICEF, Dakar

As a consultant within the T4D section of WCAR, I serve as the regional focal point for the **INVENT platform**. I coordinated digital initiatives across 24 countries in WCARO, ensuring consistency, data quality, and alignment with regional standards. INVENT provides a global inventory of technological interventions for development and innovation supported by UNICEF, covering innovations in areas such as data, digital solutions, innovative finance, and programming.

I am responsible for the monthly updates of the **INVENT dashboard**, developed using **Power BI**, which allows the visualization of top sectors with the most initiatives and the percentage of initiatives per KRC. Additionally, I provide support for knowledge management on the **Airtel project**.

I have successfully led the redesign of several **SharePoint sites**:

- The [WCARO regional office site](#),
- The [T4D section site](#),
- The [ICT section site](#),
- The [Staff Counselor section site](#),
- The [Adolescent section site](#).

I also created a **virtual space** for the [Three Basins Summit](#) using **SharePoint Space**, providing an innovative platform for collaboration.

Furthermore, I coordinate the **Thea with ICT4D** sessions and the **ICT4D Regional Virtual Monthly Calls**, promoting cross-regional knowledge sharing. I am also responsible for leading the **Asana training** for my colleagues, ensuring they have the tools and skills for effective project management.

In addition to this, I was involved in the development of the **Visa Travel** application using **PowerApps**, and I support the ICT team in customizing applications

Drupal Dev / UX/UI Design Consultant

From Apr. 2024 to Aug. 2024 (4 months)

UNICEF, Remote(Social Policy - Programme Group)

As a consultant supervised by the Service Delivery Specialist, Social Policy (HCT) at UNICEF, I successfully designed and developed a public website showcasing UNICEF's financial interventions through the HOPE MIS. The site features case studies, testimonials, lessons learned, and best practices in child-centered beneficiary management, as well as information on the current and upcoming functionalities of HOPE MIS. It serves to promote advocacy and funding for UNICEF's financial interventions.

The website is hosted on **Acquia Cloud Enterprise** and developed using the UNICEF-approved codebase. The site adheres to **UNICEF's accessibility standards**, supports **multilingual content**, and includes various features related to the HOPE project. Security is a priority, complying with **UNICEF's security policy**. Comprehensive documentation has been provided for ongoing maintenance and management. The site offers an optimal user experience with **responsive design**, **cross-browser compatibility**, **low-bandwidth optimization**, and **advanced search capabilities**.

In short, this site serves as a key platform for increasing awareness, engagement, and financial support for UNICEF's financial intervention initiatives.

Link: <https://www.unicef.org/hope-hct/>

Web Developer Consultant

From Jun. 2021 to Mar. 2022 (9 months)

Unicef, Dakar, Senegal

As a member of the T4D development team, I contributed to the development of the DIGITAL CMS, a platform for learning content management and automatic translation tailored to locality and geographic area, developed using Drupal CMS.

I also participated in creating flows and chatbots with Rapid Pro, enabling data collection via SMS, which is then analyzed with Power BI to facilitate decision-making. Furthermore, I contributed to creating a U-reporter dashboard with Power BI, enabling decision-making for a polio campaign.

Professional experience

Developpeur Front end & UX UI Designer

From Nov. 2020 to May 2021 (6 months)

Unicef , Dakar,Senegal

I served as a front-end developer and UX UI designer in the emergency section of UNICEF. During this 6-month mission, I worked on creating ergonomic and responsive web designs for various pages of the "Building resilience in the Sahel" program.

Subsequently, I underwent capacity-building training at the Digital Lab on Drupal, which allowed me to understand the standards and rules for working on the organization's official Drupal websites, through exercises and practical work. Following this training, I obtained the UNICEF-recognized Drupal CMS developer certificate, enabling me to work directly on UNICEF's official website and create program pages accessible at the following link: <https://www.unicef.org/wca/building-resilience-sahel>

Web Developer

Since Sept. 2020 (6 years)

Commite d'organisation du grand de Touba, Dakar,Senegal

As a volunteer within the Grand Magal de Touba organizing committee, I am responsible for designing and regularly updating the official Magal website, accessible at the following link:<https://magal-touba.org/> . Additionally, I participated in deploying a hybrid Android & IOS mobile application for live monitoring of Magal activities.

Web Developer

From Jun. 2020 to Oct. 2020 (4 months)

PULSE.DIGITAL, Dakar, Sénégal

I worked as a web developer at [Pulse.Digital](#) for 6 months. During this assignment, I contributed to designing websites using the WordPress CMS, including projects for clients such as MC-SA - MOSINI ET CAVIEZEL SA, Lausanne Resonne, etc.

Web Developer

From Nov. 2019 to May 2020 (6 months)

Havas Africa Senegal, Dakar,Sénégal

I completed an internship at Havas Africa Senegal as a web developer and integrator. During this internship, I worked on several websites, including:

1. Design of the Benin International Airport website: <https://aeroport-de-cotonou.bj/>
2. Integration of the translation for the Invest in Senegal website: <https://investinsenegal.sn/>
3. Design of the PETROSEN website: <https://www.petrosen.sn/>
4. Design of the Bank Islamique du Sénégal website: <https://bis-bank.com/>

EDMG

From Jan. 2018 to Nov. 2019 (1 year ½)

COE, DAKAR

As a technology enthusiast, I founded my first startup in 2018 at the age of 22, specializing in technology. Since then, EDMG has accumulated over 7 years of experience in website development, offering development, integration, hosting, design, and branding services.

Website: <https://edmg.sn/>

Awards and distinctions

Winner of the Orange Hackathon

Nov. 2019

Sonatel, Dakar,Senegal

The Hackathon is a competition organized by Sonatel to reward the three best computer projects by the applicants. It lasts 3 days, and young computer scientists will concentrate on creating a technological prototype that they will present to a jury.

Awards and distinctions

Winner of the 12th edition of POESAM-SENEGAL

Oct. 2022

Sonatel, Dakar, Senegal

The Orange Prize for Social Entrepreneurship in Africa and the Middle East is an undeniable catalyst for progress. Technological innovation can only reach its full potential if it is supported by a solid, viable business project that meets current and future social and environmental needs.

More than just an innovation, it is this positive entrepreneurial spirit driven by daring start-ups that Orange wants to support through POESAM. Since 2011, through the International Grand Prix, this competition open to start-ups from 17 countries in Africa and the Middle East has been selecting, rewarding and supporting the development of projects with a social and environmental impact.

To encourage sustainable, responsible and inclusive development, the International Women's Prize was launched in 2020, designed to recognize economic initiatives led by female entrepreneurs, or whose aim is to improve living conditions for women.

Coding4Integrity

Nov. 2021

ONUDDC, Dakar

The African Youth Anti-Corruption Hackathon is a 4-week virtual technology challenge organized by the United Nations Office on Drugs and Crime (UNODC) in partnership with private and public sector organizations in five African countries: Egypt, Kenya, Nigeria, Senegal and South Africa. The objectives of the hackathon are to promote the use of information and communication technologies (ICT) to prevent and combat corruption in Africa, and to give young developers the opportunity to propose their own ideas on how to fight corruption through technology. The competition will also promote the implementation of the United Nations Convention against Corruption (UNCAC) by strengthening public-private partnerships in the development of sustainable ICT-based anti-corruption solutions; youth engagement and employment; innovation and technology. The winning teams will have the opportunity to develop their technological solutions with the support of the hackathon's public sector partners, who are looking to increase the use of ICT solutions as part of their national anti-corruption efforts.

Assets

Organization and Coordination of ICT4D Events

Lead the coordination of initiatives such as **"Thea with ICT4D"** and **ICT4D Regional Virtual Monthly Calls**

Expertise in Digital Project Development and Monitoring, particularly with renowned institutions such as UNICEF

Advanced Technical Skills

Proficient in web development using **Drupal** and **Acquia Cloud Enterprise** (demonstrated through the HOPE project).

- Expertise in **PowerApps**, having developed applications like **Visa Travel**.
- Strong knowledge of **SharePoint**, having redesigned various sites for multiple UNICEF sections and created a virtual space for the **Three Basins Summit**.

International Experience with UNICEF

I have been working with the UNICEF West and Central Africa Regional Office (WCARO) since 2020.

I also collaborated with UNICEF's Geneva office on significant projects such as the development of the HOPE website.

Training and Team Leadership

Managed and conducted training for colleagues on Asana and supported complex projects requiring team coordination and mentoring.

Project Management Skills

Certified in project management with **Asana**, and responsible for training colleagues in the use of this tool.

General Competencies

Web Development

Proficient in **Drupal** for website design and development

Formation

- **Doctorat Sciences, Techniques et Numerique** Since Mar. 2024
UNCHK, Dakar, Senegal
Thesis: Artificial Intelligence for Automatic Interpretation of Complex Medical Images
- **Master in Software Engineering Informatique** From Jan. 2020 to Apr. 2022
UNCHK, Dakar, Senegal
Dominant materials:
 - Algorithmique et Logiciel
 - Architecture logicielle
 - Représentation des connaissances
 - Développement logiciel
 - Qualité logicielle
 - Informatique et Entreprise
 - Informatique avancée
 - Interaction Homme-Machine
 - Ouverture et Professionnalisation
- **Certificate Artificial Intelligence for business** Sept. 2021
Cambrian Futures, Dakara Khaam, UP, India
 - Introduction to the course and your instructors
 - The cognitive economy and the global AI Landscape
 - AI capabilities
 - Data, network effects and platform strategy
 - AI ops and build vs. buy
 - Ethical issues
 - Societal system fragility
 - Future of work
- **Bachelor's degree Applied Mathematics and Computer Science** From Jan. 2017 to Dec. 2019
UNCHK, Dakar, Senegal
Dominant materials
 - Mathematics
 - Computer science
 - Statistics
 - English
- **Certification in specialtite Web & Mobile Developer** From Jan. 2019 to Nov. 2019
Orange Digital Center Sénégal, Dakar, Senegal
- **BACCALAURÉAT S2** From 2015 to 2016
Lycee de Toubatoul, Thiès, Senegal