

# ESAÏE ALAIN-EMMANUEL KOUPOH

Senior Project Manager & AI Leader Abidjan, Côte d'Ivoire (Remote/Relocation)  
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## PROFILE

Visionary and results-driven **Project Manager and AI Leader** with over 6 years of expertise in orchestrating large-scale digital transformation and AI innovation projects across diverse sectors including digital, education, and culture. Proven ability to lead multidisciplinary teams, deploy cutting-edge digital platforms, and deliver revolutionary AI models with strategic impact and transparent budget management. Passionate about leveraging technology to preserve and enhance African cultural identity, driving the continent's digital revolution. Adept at fostering high-performance teams, managing complex stakeholder landscapes and ensuring on-time delivery of mission-critical solutions.

## PROFESSIONAL EXPERIENCE

### Project Manager Consultant - Data & AI

Orange Côte d'Ivoire

11/2024 – Present | Abidjan, Côte d'Ivoire

- **Led strategic implementation** of agile decision-support systems and data-driven solutions, enhancing operational efficiency and strategic insights.
- Coordinated cross-functional teams to deploy critical digital platforms, including a real-time distribution performance monitoring platform (REMO) and an AI-powered claims data validation system (Infoview).
- Managed the development and deployment of advanced ML systems for customer enrollment data verification (Homologation) and SIM card inventory optimization (Tracking Kit).
- **Architected a domain-oriented Data Mesh model**, fostering self-service analytics and empowering cross-functional teams with data ownership and agility.
- Optimized core business processes and mentored agile teams, consistently ensuring **97% on-time delivery** of mission-critical tools.

### Lead Data Scientist & Data Product Manager

Data354

09/2024 – Present | Côte d'Ivoire

- **Spearheaded end-to-end development and deployment** of innovative ML and LLM-powered decision-support systems and AI products with real-world impact.
- **Delivered revolutionary AI solutions** including:
  - **Contract Conformity Analysis:** Utilized AI (LLMs) to verify contract compliance, ensuring alignment with legal standards and transparency.

- **TaxiFlow**: Developed ML models to predict hourly demand, optimizing driver scheduling for efficient urban coverage
  - **Avia**: Launched a voice-enabled AI assistant for proactive cardiovascular care, monitoring patient data and treatment adherence.
  - **Alia**: Implemented RAG (Retrieval-Augmented Generation) to interpret legal queries and provide actionable responses from a structured legal corpus.
  - **Led Agile implementation** for data-driven solutions, fostering collaborative team environments and efficient project workflows.
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## Head of Data Science Academy

*German Institute of Business and Technology (GIBT) - Azubi Africa*

08/2023 – 05/2024 | Senegal

- **Directed continent-wide data science training programs**, scaling impact to over **700 trainees** as a Senior Trainer
  - Provided inspirational leadership and strategic direction for program development, team mentorship, and operational excellence
  - Managed key stakeholder relationships, overseeing financial reporting, KPI achievement, and ensuring program transparency and impact.
  - Fostered cross-departmental collaboration to optimize marketing strategies and delivery of high-quality educational content.
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## Data Science Program Lead - Senegal

*German Institute of Business and Technology (GIBT) - Azubi Africa*

08/2022 – 07/2023 | Senegal

- Led comprehensive tech training programs for over **500 students & professionals** in Software Engineering & Machine Learning.
  - Designed robust curricula and delivered advanced lectures as a Senior Trainer, developing future digital leaders.
  - Optimized cross-functional operations to ensure efficient program delivery and participant success
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## AI Software Engineer

*Baamtu Datamation*

12/2020 – 07/2022 | Dakar, Senegal

- Developed and deployed innovative AI/ML solutions, including a Wolof NLP Dataset Pipeline and automated OCR tools for ID/passport data extraction (Ganeyi MRZ OCR) and structured signup forms (WakandaForm OCR API).
  - Built an Email Automation Tool that streamlined insurance ticket handling, significantly improving process efficiency.
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# EDUCATION

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## Master of Artificial Intelligence (Night course)

Dakar Institute of Technology

01/2022 – Present | Dakar, Senegal

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## Bachelor in Computer Science

Ecole Supérieure Africaine des TIC (ESATIC)

2016 – 2019 | Abidjan, Côte d'Ivoire

Majors: IT Systems & Software Engineering

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# SKILLS

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## Strategic Project Leadership & Visionary Execution

- **Project Management** : End-to-end Project Execution, Agile/Scrum, Waterfall, Budget Oversight, Resource Planning, Risk Management, Stakeholder Engagement, Cross-functional Team Coordination, KPI & Performance Tracking, Strategic Roadmapping
- **Leadership**: Inspiring Leadership, Team Orchestration, Mentorship, Process Optimization, Change Management, Consultative Leadership

## AI & Digital Transformation Expertise

- **AI/ ML Development** : Large Language Models (LLMs), Generative AI (RAG), Natural Language Processing (NLP), Computer Vision, Predictive Modeling, Deep Learning, Machine Learning Engineering
- **Cloud Platforms**: Microsoft Azure (ML, AI, DevOps), Google Cloud Platform (GCP), AWS (Sagemaker S3, EC2)
- **Data Engineering & Architecture** : Data Mesh, Data Warehousing, SQL, PostgreSQL, MongoDB, Vector Stores, ETL Pipelines
- **Programming & Tools**: Python (Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow, FastAPI, Streamlit), LangChain, Docker, Git, Jira, Power BI, MS Office

## Cultural & Educational Impact

- **African Cultural Preservation** : Passion for leveraging technology to preserve cultural heritage and drive local digital innovation.
- **Education & Training** : Curriculum Design, Program Management, Technical Instruction (700+ trainees), Mentorship, Community Building (Zindi Ambassador for Senegal, NVIDIA Deep Learning Instructor).

# LANGUAGES

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- French **Native**
- English **Fluent**

## CERTIFICATES

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- Applied AI with Deep Learning (IBM)
- Full Stack Data Science Training (VIVADATAParis)
- Duolingo English Test (English proficiency)

## ORGANIZATIONS & COMMUNITY ENGAGEMENT

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- **NVIDIA Deep Learning Institute** : Deep Learning Instructor (2022 – Present) – Delivering foundational workshops to academia, fostering AI talent.
- **Zindi**: Volunteer Country Ambassador for Senegal (2021 – Present) – Driving data science growth by connecting talent with skill-building competitions, fostering industry partnerships, and organizing community events to empower African data scientists.

## TECHNICAL POC PROJECTS

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- **Predicting Customer Churn**: Built an ML model to predict customer churn for Espresso Senegal optimizing retention strategies. (2020)
- **Estimated Time for Arrival Hackathon**: Developed an ML model to estimate ETA for motorbike deliveries in Nairobi, improving logistics efficiency. (2019)
- **Detection of Swollen Shoot by Drone**: Designed a drone-embedded ML model to detect Swollen Shoot symptoms with high accuracy in orchards, supporting agricultural preservation. (2019)