

Tailored Resume

Esaïe Alain-Emmanuel KOUPOH

Senior Project Manager, AI & Digital Transformation

Abidjan, Côte d'Ivoire (Remote with relocation capability)

emmanuelkoupoh@gmail.com | +221785282560 / +2250720696235

Summary

Visionary Project Manager with 6+ years of leadership experience in piloting large-scale AI and digital transformation projects across Africa, driving innovation at the intersection of technology and cultural identity. Proven "chef d'orchestre" adept at leading multidisciplinary teams, deploying revolutionary AI platforms, and fostering strategic collaborations. Successfully delivered high-impact AI/ML products, trained over 1000 professionals, and ensured a remarkable 97% on-time project delivery, aligning with strategic objectives and resource optimization.

Strategic Project Leadership: Proven ability to lead complex, multi-stakeholder projects from inception to completion, ensuring alignment with strategic vision and impact.

AI & Digital Innovation: Expertise in deploying advanced AI/ML/LLM models and digital platforms, transforming operations and creating tangible value.

Multidisciplinary Team & Stakeholder Coordination: Skilled in coordinating diverse teams and fostering collaborations with key partners (e.g., educational institutions, governmental bodies) to achieve ambitious goals.

African Cultural & Digital Heritage: Passionate about leveraging technology, including African language NLP, to preserve and advance cultural identity, contributing to Africa's digital revolution.

Professional Experience

Project Manager Consultant - Data & AI | Orange Côte d'Ivoire

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

Led the agile implementation and strategic deployment of mission-critical data-driven and AI solutions, contributing to Orange's digital transformation initiatives.

Coordinated cross-functional teams and external stakeholders, ensuring **97% on-time delivery** of complex digital platforms.

Architected and implemented a domain-oriented Data Mesh model, significantly enhancing data governance, enabling self-service analytics, and improving cross-functional agility.

Oversaw the deployment of key AI-powered platforms, including:

REMO: A real-time distribution performance monitoring platform.

Infoview: An AI-powered claims data validation system.

Homologation: An ML system for automated customer enrollment data verification.

Tracking Kit: An optimized SIM card inventory and distribution tracking solution.

Optimized operational processes and mentored project teams, fostering a culture of innovation and high performance.

Lead Data Scientist & Data Product Manager | Data354

09/2024 – Present | Abidjan, Côte d'Ivoire

Spearheaded the development and agile deployment of advanced ML and LLM-powered decision-support systems and products, delivering real-world impact across various sectors.

Led multidisciplinary technical teams in the end-to-end implementation of AI solutions, from conceptualization to full-scale deployment.

Key Deliverables included:

Contract Conformity Analysis (AI/LLM): Developed and deployed an AI-driven system leveraging Large Language Models to verify contract compliance and ensure alignment with legal standards.

TaxiFlow (ML): Implemented an ML model to predict hourly demand, optimizing driver scheduling and enhancing operational efficiency for ride-hailing services.

Avia (Voice-enabled AI): Designed and launched a voice-enabled AI assistant for proactive cardiovascular care, monitoring blood pressure, treatment adherence, and symptoms through regular phone interactions.

Alia (RAG): Deployed a Retrieval-Augmented Generation (RAG) system to understand legal queries, identify relevant sources, and provide actionable responses based on structured legal corpora.

Head of Data Science Academy | German Institute of Business and Technology (GIBT)

08/2023 – 05/2024 | Abidjan, Côte d'Ivoire

Led and scaled continent-wide data science training programs, impacting over **700 trainees** across various technical disciplines.

Managed key stakeholders, including financial reporting and KPI tracking, demonstrating strategic oversight and resource allocation for program success.

Coordinated cross-departmental collaborations to optimize marketing strategies and program delivery, ensuring high-quality educational outcomes.

Built and mentored high-performing training teams, fostering talent development and contributing to digital literacy across Africa.

Data Science Program Lead - Senegal | German Institute of Business and Technology (GIBT)

08/2022 – 07/2023 | Dakar, Senegal

Pioneered and led tech training programs for over **500 students and professionals** in Software Engineering & Machine Learning.

Designed and delivered cutting -edge curriculum as Senior Trainer, optimizing cross-functional operations for program success and student achievement .

AI Software Engineer | Baamtu Datamation

12/2020 – 07/2022 | Dakar, Senegal

Developed and deployed innovative AI/ML solutions addressing critical real-world challenges , contributing to digital transformation initiatives in Senegal.

Wolof NLP Dataset Pipeline: Engineered a comprehensive pipeline for collecting and processing Wolof language data, directly contributing to the preservation and leveraging of local cultural assets through AI.

Automated ID/passport data extraction (Ganeyei MRZ OCR) and structured signup form data (Wakanda Form OCR API), significantly improving operational efficiency for clients .

Streamlined insurance ticket handling with an Email Automation Tool, enhancing customer service processes .

Machine Learning & CS Instructor | Dakar Institute of Technology - DIT

01/2020 – Present | Dakar, Senegal

Mentored and educated **100+ learners** in advanced Computer Science, Software Engineering, Data Science, and Machine Learning.

Topics included : Object-Oriented Programming , Data Analysis & Visualization , Machine Learning (Scikit-learn, XGBoost), Deep Learning (TensorFlow, PyTorch, YOLO), Big Data & Cloud Computing (AWS, GCP), and DevOps tools (Git, Docker, CI/CD).

Education

Master of Artificial Intelligence (Night course) | Dakar Institute of Technology

01/2022 – Present

Bachelor in Computer Science | Ecole Supérieure Africaine des TIC - ESATIC

Majors: IT Systems & Software Engineering

2016 – 2019 | Abidjan, Côte d'Ivoire

High School Degree | Collège Référence de Sinfra

Majors: Mathematics , Physics, Chemistry, Biology

2016 | Sinfra, Côte d'Ivoire

Skills

Strategic Project & Program Management : End-to-end Project Lifecycle Management , Agile Methodologies (Scrum, Kanban), Multidisciplinary Team Leadership, Stakeholder Engagement , Risk Management , Resource Optimization , Budget Oversight (indirect through strategic allocation and KPI management), 97% On-time Delivery, Strategic Vision & Planning, Digital Transformation Leadership.

AI & Digital Innovation Expertise : AI/ML/LLM Model Deployment , Data Mesh Architecture , Digital Platform Development , Data-Driven Decision Making, Innovation Strategy, Natural Language Processing (NLP), Computer Vision, Predictive Analytics .

Technical Acumen: Python (Advanced), SQL, OpenAI, Azure, GCP, LangChain, ML/DL Frameworks (Scikit-learn, PyTorch, TensorFlow, Keras), Big Data (AWS SageMaker, S3, EC2; Google Cloud Platform), DevOps (Docker, Git, CI/CD Pipelines), Power BI, PostgreSQL, MongoDB, FastAPI.

Leadership & Development : Team Building & Mentoring , Curriculum Design & Delivery, Cross-departmental Collaboration , Stakeholder Communication , Impact Scaling (700+ Trainees), Conflict Resolution.

African Cultural & Digital Engagement : Experience with African Language NLP (Wolof), Community Building (Zindi Ambassador), Passion for leveraging technology to preserve and promote African cultural heritage , Fostering local digital innovation .

Languages

French: Native

English: Fluent (Duolingo English Test certified)

Certificates

Applied AI with DeepLearning (IBM)

Full Stack Data Science Training (VIVADATAParis)

Organizations & Community Engagement

Zindi - Volunteer Country Ambassador for Senegal | 2021 – Present | Dakar, Senegal

Advocated for data science growth in Senegal by connecting local talent with skill-building competitions , fostering industry partnerships , and organizing community events to drive African digital innovation .

NVIDIA Deep Learning Institute - Deep Learning Instructor | 2022 – Present

Delivering Deep Learning Fundamentals workshops for academia, promoting advanced AI education .

Technical POC Projects

Predicting Customer Churn: Developed an ML model to predict customer churn for Espresso Senegal, a telecommunications company (2020).

Estimated Time for Arrival Hackathon : Built an ML model to estimate the time of arrival (ETA) for motorbike deliveries in Nairobi (2019).

Detection of Swollen Shoot Symptoms by Drone: Engineered a drone-embedded ML model to detect Swollen Shoot symptoms with high accuracy in orchards (2019).