

Tailored Resume

Esaïe Alain- Emmanuel KOUPOH

Visionary Project Manager | AI & Digital Transformation Leader

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PROFILE

Dynamic Project Manager and AI & Data Leader with over 6 years of experience, specializing in orchestrating complex digital transformation initiatives and deploying revolutionary AI models. Proven track record in leading multidisciplinary teams, managing large-scale projects, and ensuring on-time delivery of mission-critical solutions. Passionate about leveraging cutting-edge technology to preserve cultural identity and drive impactful innovation, fostering Africa's digital revolution.

PROFESSIONALEXPERIENCE

Project Manager Consultant - Data & AI

Orange Côte d'Ivoire | Abidjan, Côte d'Ivoire

11/2024 – Present

Spearheaded strategic project implementation, piloting agile delivery of 4+ mission-critical data-driven solutions and digital platforms for enhanced operational efficiency.

Coordinated and empowered multidisciplinary teams (data science, engineering, business stakeholders) from project conception through successful deployment, ensuring cohesive execution.

Achieved 97% on-time delivery for key digital platforms, including REMO (real-time distribution performance monitoring), Infoview (AI-powered claims data validation), Homologation (ML system for customer enrollment data verification), and Tracking Kit (SIM card inventory optimization).

Architected a robust Data Mesh model, fostering domain-oriented data ownership and enabling self-service analytics and cross-functional agility across the organization.

Optimized operational processes and mentored cross-functional teams, enhancing overall project efficiency and cultivating a culture of continuous improvement.

Lead Data Scientist & Data Product Manager

Data354 | Abidjan, Côte d'Ivoire

09/2024 – Present

Led the full lifecycle development and agile implementation of advanced AI/ML and LLM-powered decision-support systems, transforming complex data into actionable business insights.

Delivered revolutionary AI models, including a voice-enabled AI assistant (Avia) for proactive cardiovascular care, and an RAG-powered legal query system (Alia) providing actionable responses from professional legal corpora.

Developed AI solutions for contract conformity analysis using Large Language Models (LLMs), ensuring meticulous compliance with legal standards and optimizing operational efficiency.

Optimized resource allocation and operational efficiency across critical business functions through ML-driven demand prediction models (TaxiFlow), enhancing planning and scheduling.

Piloted innovative AI product development, integrating advanced technologies like OpenAI, Azure, GCP, and LangChain into scalable solutions.

Head of Data Science Academy

German Institute of Business and Technology (GIBT) | Abidjan, Côte d'Ivoire

08/2023 – 05/2024

Directed and scaled continent-wide tech training programs, impacting over 700+ trainees in advanced data science and AI, fostering skilled talent across Africa.

Managed critical stakeholder relationships, overseeing financial reporting and key performance indicators (KPIs) to ensure program alignment, transparency, and strategic impact.

Led and developed a high-performing team of trainers and collaborated across departments to optimize program marketing, delivery, and participant engagement.

Applied Agile methodologies to ensure efficient program execution, continuous curriculum improvement, and high-quality educational outcomes.

Data Science Program Lead - Senegal

German Institute of Business and Technology (GIBT) | Dakar, Senegal

08/2022 – 07/2023

Spearheaded tech training programs for 500+ students and professionals in Software Engineering & Machine Learning, contributing to talent development in the African digital ecosystem.

Designed and delivered comprehensive, industry-relevant curricula as a Senior Trainer, ensuring high-quality education and practical skill development.

Optimized cross-functional operations to enhance program effectiveness and trainee outcomes, maximizing the reach and impact of educational initiatives.

AI Software Engineer

Baamtu Datamation | Dakar, Senegal

12/2020 – 07/2022

Engineered and deployed cutting -edge AI/ML solutions , directly addressing real-world challenges in data processing and automation .

Developed a Wolof NLP Dataset Pipeline and automated data extraction systems (Ganeyi MRZ OCR, Wakanda Form OCR API), showcasing deep technical expertise in AI.

Streamlined operational processes through an Email Automation Tool, significantly improving efficiency for insurance ticket handling .

Machine Learning & CS Instructor (Part-time)

Dakar Institute of Technology - DIT | Dakar, Senegal

01/2020 – Present

Taught and mentored 100+ learners in Computer Science, Software Engineering, Data Science, and Machine Learning, fostering the next generation of tech talent .

Topics included Deep Learning (TensorFlow, Keras, PyTorch), Big Data & Cloud Computing (AWS, GCP), and Software Engineering & DevOps (Git, Docker, CI/CD Pipelines).

EDUCATION

Master of Artificial Intelligence (Night course)

Dakar Institute of Technology | Dakar, Senegal

01/2022 – Present

Bachelor in Computer Science

Ecole Supérieure Africaine des TIC - ESATIC | Abidjan, Côte d'Ivoire

Majors: IT Systems & Software Engineering . | 2016 – 2019

SKILLS

Strategic Project Leadership & Implementation : Agile (Scrum, Kanban), End-to-End Project Execution, Multidisciplinary Team Coordination , Stakeholder Management , Risk Management , Resource Planning, On-time Delivery, Mentorship .

Budget & Program Management : Financial Reporting , KPI Tracking, Performance Monitoring , Transparency in Resource Allocation , Program Scaling.

AI & Digital Transformation : Advanced AI/ML & LLM Development (OpenAI, Azure AI, GCP AI, LangChain, RAG, NLP, Computer Vision, Predictive Modeling), Digital Platform Deployment , Data Mesh Architecture , Cloud Computing (Azure, GCP, AWS).

Technical Proficiency : Python (Pandas, Scikit-learn, PyTorch, TensorFlow, FastAPI), SQL, Power BI, Jira, MS Office , Docker, Git, PostgreSQL.

Cultural & Impact Focus: Passion for African Cultural Heritage , Community Engagement , Data Science Ecosystem Development , Talent Development & Capacity Building (1000+ professionals trained).

LANGUAGES

French: Native

English: Fluent

ORGANIZATIONS

Zindi, Volunteer Country Ambassador for Senegal: Actively fostering data science growth and community engagement in Africa, connecting talent with skill-building competitions and driving industry partnerships (2021 – present).

NVIDIA Deep Learning Institute , Deep Learning Instructor : Delivering advanced Deep Learning Fundamentals workshops , contributing to talent development in cutting -edge AI for academia (2022 – present).

CERTIFICATES

Applied AI with DeepLearning (IBM)

Full Stack Data Science Training (VIVADATAParis)

Duolingo English Test (English proficiency)

TECHNICAL POC PROJECTS

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

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

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