

E. Désiré Nzenougou

TECH STRATEGIST · PRODUCT DEVELOPER · AI / SPACE / BLOCKCHAIN SYSTEMS

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Architecting agentic AI systems, space data platforms, and decentralized infrastructure — turning emerging technologies into production-ready products.

SELECTED PROOF

6 Emerging tech stacks with production-grade proofs of concept	3 AI products taken from concept to working prototype
15+ Data systems deployed — GIS, BI, analytics pipelines	200+ Hours of technical mentoring on architecture and TRL

EXPERIENCE

Business Innovation Manager — Space Tech GeoVille Information Systems · Austria	Aug 2025 – Present
- Lead integration of advanced EO and space-data technologies into commercial offerings. - Manage technical proposal development for ESA programmes — AI, GeoAI, and LLM-enabled geospatial intelligence.	
Space Downstream Innovation Consultant — Emerging Tech EUSPA · Czech Republic	Dec 2020 – Jun 2025
- Technical evaluation of space entrepreneurship proposals across AI, quantum, blockchain, and gaming verticals. - Jury member for Galileo GNSS, Copernicus EO, and SSA applications. 200+ mentoring hours on technology architecture and TRL advancement.	
IT Strategist Sahlgrenska University Hospital · Sweden	Nov 2021 – Feb 2023
- Evaluated and prototyped AI, AR/VR, and IoT solutions for healthcare digitisation. - Built data visualisation for clinical workflow optimisation.	
Founder & Technology Consultant Desired Solutions · Sweden	Dec 2020 – Present
- Data analytics, visualisation, and prototyping for space and deep-tech organisations. - AI/ML models, blockchain PoCs, and GIS analytics platforms — end to end.	
Senior Industrial Technology Expert NIRDA · Rwanda	May 2018 – Dec 2019
- Led the national STEM Lab programme for smart-hardware product development. - Built communities of learning around AI, blockchain, AR/VR, and IoT.	
Data Analyst & Project Management International SOS · USA	Mar 2014 – Feb 2015
- Built pandemic-preparedness analytics (Ebola / influenza). - BI dashboards and data viz with R, Tableau, QGIS; supervised ML for service-utilisation prediction.	

SELECTED WORK

MAMIO — AI image-to-voice medical adherence

Smile Incubator / Health2B · 2017–2018

Architected an AI mobile app enabling elderly patients to keep medicine independence via real-time image recognition and voice guidance. Integrated Azure and IBM Watson for OCR, vision, and TTS. Built API integrations, mockups, and customer-journey maps; ran cross-provider accuracy-to-cost benchmarks.

Melvin — emergency-response pre-filter bot

Microsoft Innovation Center Boostcamp · 2016

Conversational agent pre-filtering emergency calls, reducing false dispatch by 40% via NLP intent classification. Dialogue management integrated with 112 services. SaaS PoC with social integration. Won Most Tech Project at MIC Boostcamp.

Space data analytics & visualisation platform

Desired Solutions / EUSPA · 2020–Present

End-to-end processing and visualisation pipelines for Earth Observation and space downstream applications. QGIS geospatial modules, Power BI market-intelligence dashboards, Python automation for satellite data. ML for land-use classification and change detection on Copernicus Sentinel.

QBabes — quantum software for industrial optimisation

Antler · 2023

Co-founded a quantum-software venture: quantum randomness for complex industrial optimisation in energy (SMR) and smart-grid design. Validated problem-solution fit with 8+ enterprise prospects. Explored quantum sensing and post-NIST cryptography for space and defence.

Blockchain governance & DLT infrastructure

African Blockchain Institute / NIRDA · 2018–2025

Designed and prototyped DLT solutions for proof-of-origin, digital identity, and CBDC governance. Built communities of practice around AI, blockchain, AR/VR, and IoT. Tokenomics models with incentive mechanisms for public and private applications.

COMPETENCIES

AI / ML

Python · TensorFlow · PyTorch · Computer vision · NLP · Azure ML · Agentic AI

Space Tech

Copernicus / Sentinel · GNSS / Galileo · Earth Observation · QGIS · GeoAI · Streamlit

Blockchain & Web3

Solidity · DLT architecture · Tokenomics · Smart contracts · Governance design

Product

Agile / Scrum · Lean · HCD · Rapid prototyping · MVP · TRL assessment

Quantum

Qiskit · Hybrid classical-quantum · Optimisation · Quantum sensing

EDUCATION

MA Engineering Physics & Nuclear — ISIB, Haute École Bruxelles-Brabant, Belgium · 2009–2011

BA Engineering Technology — ISIB, Haute École Bruxelles-Brabant, Belgium · 2005–2009

Complex Adaptive Systems (Chalmers) · Management (ICHEC Brussels) · Quantum Computing (Coursera) · The Blockchain (UC Irvine) · Neural Networks & Deep Learning (DeepLearning.AI) · Google Cloud ML · Data Science (Johns Hopkins) · Agile / Scrum · Six Sigma Green Belt · IELTS C1

Fluent in French, English, and Swedish. Works across five languages and three continents.