

Bernard Adala Wanyande - Full Stack Software Engineer

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in bernard-wanyande 📱 adala-wanyande

Education

Leiden University Feb 2025 – Sep 2026
MSc in Computer Science: Data Science, GPA: 8.0/10 (On track for Cum Laude) (Expected Graduation)
◦ **Coursework:** Information Retrieval, Recommender Systems, Reinforcement Learning, Data Visualization, Bayesian Optimization, Deep Learning, Regulatory Governance, Social Network Analysis, Data Mining

Strathmore University July 2020 – July 2024
BSc in Computer Science, Grade: First Class Honours, Dean's List All Years

Skills

Programming Languages: Python, TypeScript, JavaScript, Dart, Bash, Kotlin, R, SQL (Certified)
Libraries & Frameworks: FastAPI, React, Next.js, Express.js, Flutter, Pandas, NumPy, Scikit-learn
Tools & Platforms: Git, VS Code, RStudio, Vercel, Docker, Azure, Databricks (Certified)
Soft Skills: Leadership, Problem-Solving, Team Collaboration, Communication, Time Management

Experience

Data Science Intern Wageningen, Netherlands
Unilever [🔗](#) Feb 2025 – Sep 2025
◦ Engineered pipelines with **Python, Pandas, GCP** to transform unstructured R&D time-series data into ML-ready datasets, accelerating predictive modeling by **6 months**, saving manual labor, and collaborating with **food technologists** in an Agile team.
◦ Developed an **LLM-powered RAG assistant** using **LangChain, embeddings, FastAPI, Next.js** to generate onboarding learning paths, reducing training time, improving knowledge retrieval, in collaboration with business experts and university researchers.

Software Engineer Nairobi, Kenya
Risk Innovatis [🔗](#), Kenyan Government Partner Aug 2024 – Jan 2025
◦ Modernized legacy systems to modular **FastAPI microservices** and integrated **Google Translate** and **OpenAI GPT** APIs, enabling multilingual support and reducing development costs, collaborating with **senior engineers** and delivering value to **enterprise clients**.

Software Engineer Intern Tallinn, Estonia
Kodally [🔗](#), Estonian GovTech Startup Jan 2024 – Jul 2024
◦ Led development of a **Flutter mobile app** with **Firebase backend**, transforming Figma prototypes into a functional product used by **20+ clients**, collaborating with **UI/UX designers, MSc researchers, and startup stakeholders**.

Projects and Hackathons

Cardiovascular Disease Risk Prediction API - (BSc Final Project) github.com/cvd-api [🔗](#)
◦ Tools: Python, Flask, Scikit-learn, Pandas

Soko V2 – E-commerce Platform github.com/soko-v2 [🔗](#)
◦ Tools: Flutter, Firebase, Google Maps API

ETH Global Hackathon Winner (2024) [Showcase Video](#) [🔗](#)