

Georgeo S. R. AGBAHUNGBA

Data / Analytics Engineer — Agritech, field data collection & decision support

📍 Cotonou, Benin · Born 31/08/1993

📞 Phone: +229 01 67 65 97 17 · ✉ Email: gagbahungba2019@gmail.com

🌐 Portfolio: georgeo-agbahungba.xyz · 📄 GitHub: github.com/TripleCrownDiamond

🌐 LinkedIn: linkedin.com/in/join-digital-process

PROFILE

Agricultural economist (Master 1 completed, Master 2 in progress, FSA/UAC) and **full stack developer**, specialised in the **full life cycle of agricultural data**: designing collection instruments, quality control, modelling, reporting and delivery into usable tools. Over **10 years of field work** on programmes funded by the World Bank, Enabel, FAO and USAID, designing and running the surveys whose data others later consume, plus **6 years of software development** building the platforms that host them.

What sets me apart: I know the **real defects of field data** — impossible GPS readings, mixed units, enumerator duplicates, implausible declarations — because I produced and corrected them before modelling them. That is what allows me to write validation rules that hold up in production rather than theoretical checks.

SKILLS

- - **Databases & SQL**: PostgreSQL, MySQL, SQLite, Supabase, MongoDB, Firebase; relational modelling, aggregation queries, complex joins
- - **Processing & pipelines**: Python (Pandas), ETL scripting, REST APIs, workflow automation (n8n), batch processing, Docker (basics)
- - **Analysis & statistics**: econometrics, inferential statistics, R, Stata, SPSS, advanced Excel, impact evaluation, monitoring & evaluation
- - **Data collection**: KoboToolbox, ODK, xlsForm, Open Foris Ground (FAO); questionnaire design, skip logic, validation constraints, offline mode
- - **Data quality**: consistency rule design, outlier detection, deduplication, AI-assisted quality control, per-wave data quality reports
- - **Reporting**: Power BI, custom web dashboards, data visualisation, QGIS mapping, geospatial data, Google Maps API
- - **Cloud & deployment**: Google Cloud, AWS (EC2, LightSail), Vercel, DigitalOcean, Git/GitHub
- - **Development**: JavaScript/TypeScript, Node.js, React, Next.js, PHP/Laravel, Flutter (to build the interfaces that consume the data)
- - **Applied AI**: generative model APIs, AI agents, MCP, information extraction from documents

DATA PROJECTS

- - **Lokali** (lokali.bj) — Agricultural price platform for Benin: market price collection, storage, search and filtering by product and location.
- - **Ire Ayodé** (ireayode.bj) — Reporting layer over KoboCollect data from cashew cooperatives in the Collines region: field exports turned into dashboards cooperative managers can actually use.
- - **AI field data collection** — Offline, geolocated field collection system with deferred synchronisation and downstream processing of the data gathered.
- - **Soybean value chain platform** (IDID) — Resources and data for actors in the soybean value chain.
- - **ANOPER — Member cards** (anoper.bj) — Member database for a livestock farmers' association, with card generation and export.
- - **Content Factory** — Automated pipeline for generating, validating, scheduling and publishing multi-channel content.

EXPERIENCE — DATA & FIELD

Data collection officer / auditor — APECDI (PACOFIDE, World Bank)

2020 – 2026 | Benin (Savè, Bantè, Nikki, Zakpota)

- - Successive audit and verification missions on new and rehabilitated cashew plantations, with geolocated field records
- - Structured collection of brigade claims and consolidation for downstream use
- - Produced the datasets underpinning the programme's payment decisions

Assistant — APECDI SARL

2016 – 2020 | Cotonou, Benin

- - Data collection and analysis across the firm's project portfolio
- - **Digitised paper questionnaires into KoboCollect**: form design, input constraints, rollout to field teams
- - Reporting and beneficiary training for the PAIA-VO and DEFIA programmes

Enumerator — ZOOFOR Consult (CILSS region, USAID funding)

August – September 2024 | Benin

- - Inventory of strategic market infrastructure in cross-border areas and of access to digital services across the CILSS region

HSE facilitator — APECDI (PAPC, Cotonou Stormwater Sanitation Programme)

January 2024 – September 2025 | Cotonou, Benin

- - Monitoring of social and environmental safeguard measures on the AAc and QaQc catchments
- - Periodic progress reporting to the contracting authority

Technical assistant — APECDI / Enabel-Benin consortium (DEFIA programme)

September 2023 – August 2024 | Benin

- - Support to pineapple and rice producers on environmental protection measures
- - Assignment delivered to the satisfaction of the consortium led by APECDI SARL

Value chain studies — APECDI (PFC-B, UIGP/PASE)

2021 – 2024 | Savalou, Bantè, Savè, Kétou

- - Analysis of high-potential value chains and of the honey market around the Dogo, Ouémé Boukou and Agoua classified forests
- - Study of beekeeping value chains and the associated development strategy

Zone facilitator — REV-Développement NGO (PAIA-VO)

August 2019 – August 2020 | Ouinhi, Ouémé Valley

- - Structuring of rice, market gardening and maize value chain actors

Data collection officer — REV-Développement NGO

2015 – 2016 | Benin (Borgou, Alibori)

- - Socio-economic impact assessment of income-generating micro-projects (PGFT)
- - Environmental impact study of the electrification of 253 rural localities
- - Simplified management plans for gallery forests (PAPDFGC)

EXPERIENCE — PLATFORMS & SYSTEMS

Founder & project lead — Solutions Luciole (TakaCode · Musimaps)

August 2020 – Present | Benin

- - Design and development of web platforms, business tools and data collection systems
- - Modelling and administration of the PostgreSQL and Supabase databases behind the products
- - API integration, processing automation and cloud deployment
- - Product lead for TakaCode (takacode.app) and Musimaps (musimaps.app)

EDUCATION

- - **2026** — Master 1 in Agricultural Economics, FSA — University of Abomey-Calavi (UAC). Master 2 in progress.
- - **2015** — Professional Bachelor's degree in Agronomic Sciences, FSA — UAC. Major: Rural Economics and Farm Management | With High Distinction
- - **2010** — Scientific Baccalaureate, Cotonou — with distinction

CERTIFICATIONS

- - **2025** — FAO e-learning: Open Foris Ground (FAO collection and mapping tools)
- - **2023** — freeCodeCamp: Back End Development and APIs; Front End Development Libraries
- - **2016** — UAC/FSA/GBIF: mobilising biodiversity data for the conservation and sustainable management of Benin's natural resources

LANGUAGES

- - French: excellent (working language)
- - English: good professional level

OTHER CVS

My other CVs are available on my portfolio georgio-agbahungba.xyz:

- - Agricultural Economist CV (EN)
- - Developer CV (EN)
- - Full CV — Agricultural Economist & Developer (EN)
- - Data / Analytics Engineer CV (FR)