CLARENCE MICHAEL CHAMBO

BI Strategist & Systems Developer

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PROFILE

Final-year Business Intelligence and Data Analytics student who designs, builds and runs production data systems. I build financial intelligence platforms, forecasting and reporting automation for businesses in Botswana and Tanzania, from the database design through to deployment, and I keep the numbers honest: inconsistencies in source data are flagged, never smoothed over.

EXPERIENCE

Junior Systems Developer (Remote Contract) Feb 2026 – Present

Discount Centre Limited and Eramco · Dar es Salaam, Tanzania

- Designed, built and deployed the DCL Financial Hub, a role-controlled financial intelligence platform for six departments (Production, Retail, Mining, Fibre, Teak, Logistics), migrating it from a Streamlit prototype to Next.js 14, FastAPI and PostgreSQL on Railway.
- Shipped 140+ versioned releases and 56 database migrations, with JWT authentication, role-based access, immutable price and BOM versioning, and a full audit trail for financial governance.
- Built BOM costing, three-tier pricing, CVP and break-even analysis, production planning with margin-priority reallocation, cash-flow projection and a live Budget vs Actual dashboard used daily by management.
- Added an AI layer: an Excel import pipeline using fuzzy matching with a GPT-4o fallback, a natural-language Ask AI restricted to read-only SQL, and six monitoring loops that flag mining anomalies, plan gaps and unusual expenses.
- Automated monthly board reporting: PowerPoint decks are generated from system data with AI commentary and emailed to the directors and CFO on the 1st of each month.

Head of Technology (Co-founder) 2024 – Present

Regnum Pecuniae · Botswana

- Co-founded and lead the build of clinical operations software for clinics and pharmacies: inventory, finance, staff and forecasting in one multi-tenant platform (React, Flask, Azure SQL, Redis), now in a working pilot.
- Designed a 91-table data model with SQL Server row-level security that isolates each clinic and fails closed, plus TOTP multi-factor authentication and role tiers.
- Built forecasting ensembles (ant colony weighting of eight base models), anomaly detection and expiry prediction; cut key endpoint response times by up to 80% through connection pooling and query work.

Independent Contractor: Research, Growth, Marketing and Digital Media Feb 2026 – Present

Pogcareservices · Australia (remote)

- Provide research, growth, marketing and digital media services, including social media editing, content production and reporting, against company guidelines.
- Research industry trends and produce service development recommendations to support strategic growth and marketing decisions.

Volunteer Sales Manager 2022 – 2023

Local paint shop · Tanzania

- Digitised inventory with a sales and product tracking database that analysed purchase trends to improve restocking and cash flow; registered the business on Google Maps and introduced social media marketing.

SELECTED PROJECTS

Signature Ateliers · Event planning platform, live
Public enquiry site and staff studio for a Dar es Salaam event planner: quotes, guest lists, RSVPs, contributions ledger, vendors and a 3D-ready floor planner. Next.js 16, Prisma, PostgreSQL, Railway.

Finapp · Personal finance app for iOS and web, in development
Multi-currency tracking across banks, mobile money and cash in 18 African countries, with budgets and payday plans. Read-only by design. Expo, Hono, Drizzle, PostgreSQL; 120 API tests.

In-store Feedback · QR review system, live
Four-question review flow with return-visit tracking and an admin dashboard for retention, churn and complaints. Next.js 16, Supabase with row-level security.

Global Car Sales Machine Learning System
Regression models on global car sales to show how geography and demand drive pricing, with dashboards to support pricing decisions.

Bayesian Inference Engine
Python engine that takes user input, computes posterior probabilities with Bayes' theorem and presents the results clearly.

EDUCATION

BSc (Hons) Business Intelligence and Data Analytics Expected 2027
University of Sunderland, studied at Botswana Accountancy College, Gaborone
Databases, Data Warehousing, Big Data Analytics, Advanced Data Analytics, Business Intelligence, Intelligent Systems, Statistics, Python, Systems Development, Web Development, Business Management

IGCSE O-Level (5 A*, 2 A) 2020
Phakalane Secondary School

SKILLS

Data and BI	SQL, Python, Excel, Power BI, Tableau, data cleaning and visualisation, data warehousing, Hadoop, HDFS, Hive
Databases	PostgreSQL, SQL Server (Azure SQL), MySQL, Supabase, Alembic and Drizzle migrations, row-level security
Web and backend	TypeScript, JavaScript, React, Next.js, FastAPI, Flask, Hono, REST API design, JWT authentication, Tailwind CSS, TanStack Query
Mobile	Expo and React Native
AI and automation	Claude and OpenAI API integration, forecasting and anomaly detection, python-pptx report automation
DevOps	Docker, Git and GitHub, Railway CI/CD
Design	Figma, Adobe Illustrator

CERTIFICATIONS

Fundamentals of Digital Marketing · Google Digital Garage
Finance for Non-Finance Professionals · Rice University (Coursera)
Data Visualization with Tableau · Coursera