CHACHA BRIAN

Android Developer • Software Engineer • Systems Architect

chachabrian21@gmail.com • Nairobi, Kenya
montejbrian.me • github.com/montejbrian
linkedin.com/in/chachabrian • @montej_Brian

Versatile Android Developer & Software Systems Engineer and Computer Science graduate with proven experience architecting, shipping, and maintaining production-grade applications across Africa. Track record deploying native mobile apps to Google Play and engineering high-impact web systems backed by optimized relational databases (PostgreSQL, MySQL, SQLite), secure payment integrations (M-Pesa, Paystack), and microservices. Dedicated to performance engineering, clean architecture, and building user-centric solutions in EdTech, FinTech, and e-commerce.

TECHNICAL COMPETENCIES

Android & Mobile:	Kotlin, Java, Jetpack Compose, Android SDK, MVVM, Room DB, Coroutines, Flow, Retrofit, Material 3	**Backend & Systems:**	Node.js, Express, RESTful APIs, WebSockets, Serverless Functions, Microservices Architecture
Databases & Cache:	PostgreSQL, MySQL, SQLite, Redis, Schema Design, Query Optimization, ACID Transactions	**DevOps & Cloud:**	Docker, Linux, Nginx, Git & GitHub, CI/CD, Postman, Vite, Vercel, Agile/Scrum
FinTech & APIs:	Lipa Na M-Pesa (Daraja API), Paystack, PayHero, Webhook Verification (HMAC-SHA512), Agora WebRTC	**AI & Integrations:**	LLM APIs, Intelligent Categorization, AI Product Prototyping, Prompt Engineering

PRODUCTION SYSTEMS & ENGINEERING EXPERIENCE

CourseYangu — KUCCPS University Eligibility Engine
EdTech Platform | Production | 2026

Live: courseyangu.tech • GitHub: github.com/montejbrian/courseQuery • Tech: React, Node.js, Express, PostgreSQL, Redis, Nginx, Paystack & M-Pesa

- Architected and launched a full-stack university placement engine helping Kenyan KCSE students compute cluster points and instantly discover degree and diploma courses they qualify for based on official cutoffs.
- Engineered an algorithmic subject-matching calculation engine with sub-second response times, integrated automated M-Pesa / Paystack payment verification with HMAC webhook protection, and configured Redis caching.
- Built an administrative portal with bulk CSV/PDF cutoff import pipelines, audit logging, and revenue analytics dashboards.

Marhine Marketplace Mobile App & Platform
Marhilyne Limited | Google Play & Web | 2026

Google Play: com.marhilyne.userapp • Web: marhine.com • Tech: Kotlin, Android SDK, Jetpack Compose, PostgreSQL, Node.js

- Engineered and deployed the official native Android Mobile App to Google Play, delivering high-performance product browsing, multi-vendor cart synchronization, and live order tracking for thousands of active shoppers in Tanzania.
- Architected backend services and optimized PostgreSQL relational database schemas with indexed queries to ensure clean role-based data isolation across multi-vendor storefronts and customer portals.

CHECK — Social Style & Creative Reputation Platform
Founder & Engineer | Production | 2026

Live: check-rose-three.vercel.app • Tech: React, Vite, Tailwind CSS, Serverless Node.js, Framer Motion

- Built and deployed an interactive social engagement platform that gamifies creative reputation through daily outfit/design uploads, community 1–5 star ratings, and merit-based creator leaderboards.
- Designed an ultra-responsive dark-aesthetic interface with fluid animations, dynamic engagement analytics, and robust cloud media handling tailored for mobile-first user interaction.

BudgetGenie — AI-Powered Personal Finance & Budget Planner
FinTech Web App | Production | 2025 – 2026

Live: budget-genie.vercel.app • Tech: React, Node.js, Express, MySQL, Socket.io, LLM APIs

- Developed an intelligent personal finance platform leveraging AI to categorize multi-category expenses, forecast spending trends, and generate custom meal/budget planning suggestions.
- Implemented real-time bidirectional budget sync across devices using Socket.io and relational data persistence in MySQL.

SaneGenius
Learning Path Architect & Technical Collaborator | Contract | Jun 2026 – Present

Platform: sanegenius.com • Focus: Mobile Systems Architecture, Android Development Curricula

- Collaborated with engineering leadership to structure architectural mobile engineering paths and comprehensive Android SDK modules.
- Authored detailed technical specifications, architectural roadmaps, and modular code repositories via strict Git workflow practices.

EDUCATION

Bachelor of Science in Computer Science • **University of Embu** — Kenya