SAMUEL CHIGEMEZU UZOMA

MOBILE & FULL-STACK ENGINEER

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PROFESSIONAL SUMMARY

Mobile & Full-Stack Engineer building mobile apps, websites, web apps and the backends behind them, with Flutter/Dart experience since 2021 and professional commercial experience at Libra Motors Limited since November 2023. Experienced in building, maintaining and deploying production cross-platform applications for transportation and logistics, including applications supporting approximately 20,000 users, and in building a full learning management system (LMS) end to end: Flutter mobile app, Next.js web apps, and a NestJS and PostgreSQL backend deployed on Google Cloud Run. Strong in Flutter, Next.js, TypeScript, NestJS, PostgreSQL, Clean Architecture, BLoC, Riverpod, REST API design and integration, Firebase, authentication, payment gateways (Paystack, Flutterwave and OPay), wallet workflows, cloud deployment, testing, debugging, code review and production releases.

TECHNICAL SKILLS

- **Mobile:** Flutter, Dart, Flutter Web, Android, iOS
- **Web:** Next.js, React, TypeScript, responsive UI, SEO
- **Architecture & State:** Clean Architecture, BLoC/Cubit, Riverpod, Provider, dependency injection (get_it/injectable)
- **API & Integration:** REST APIs, Dio, Retrofit, Chopper, HTTP, JSON, JWT, Postman, Swagger/OpenAPI
- **Backend:** NestJS, TypeScript, PostgreSQL, REST API design, JWT authentication, scheduled jobs, transactional email
- **Cloud & Hosting:** Google Cloud Run, Cloud Scheduler, container deployments, test and live environments, Firebase (Authentication, Firestore, Cloud Storage), Render
- **Payments:** Paystack, Flutterwave, OPay, wallet/payment workflows, subscription billing
- **Machine Learning Integration:** TensorFlow Lite, FastAPI, Flask
- **Engineering:** Git, GitHub, GitLab, testing, debugging, performance troubleshooting, code review, mentoring
- **Deployment:** Google Play Console, Android App Bundles, Xcode Archive, Apple App Store, Google Cloud Run

PROFESSIONAL EXPERIENCE

Mobile Software Engineer *November 2023 – Present*

Libra Motors Limited — Lagos, Nigeria

Production products: Libmot Mobile (travel booking) • Libmot Express (logistics)

- Develop and maintain production Flutter applications for transportation and logistics workflows, supporting approximately 20,000 users across mobile platforms.
- Build booking, shipment contracting, wallet, transaction-history and tracking workflows using Flutter and Dart.
- Design and integrate payment flows using Paystack, Flutterwave and OPay, supporting both direct payments and wallet-based transactions.
- Integrate REST APIs and backend services using Dio, Retrofit, Chopper, HTTP, JSON-based models, JWT authentication, Postman and Swagger/OpenAPI.
- Apply Clean Architecture and scalable state-management patterns using BLoC/Cubit, Riverpod and Provider.
- Implement authentication and Firebase services, including Firebase Authentication, Firestore and Cloud Storage.
- Write and maintain tests, investigate production defects and performance issues, and deliver fixes across application features.
- Participate in code reviews and provide technical guidance and support to other developers.
- Manage production releases for Android and iOS, including Android App Bundle generation, Google Play deployment, Xcode archiving and App Store submission.
- Collaborate with cross-functional teams to translate business requirements into maintainable mobile and web solutions.

SELECTED PROJECTS

Grace Scholar (Learning Management System) — EdTech platform in development for university students: enrolment, video lessons, continuous assessment, timed objective and theory exams with auto-submit, grading and CGPA tracking, course forums, and Paystack subscription billing with a free trial. Built the Flutter app with Clean Architecture across ~18 feature modules, alongside a Next.js student web app, instructor course studio and admin console sharing one NestJS backend deployed on Google Cloud Run with separate test and live environments.

Grace Scholar Web — Next.js platform for the Grace Scholar LMS: a student web app with full mobile feature parity and Paystack subscriptions, an instructor course-authoring studio and an internal admin console, all on one NestJS and PostgreSQL API. gracescholar.corinso.com

CORINSO Website — Company marketing website built with Next.js and TypeScript, with contact flows and transactional email, deployed on Google Cloud Run. corinso.com

Libmot Mobile — Production travel/transportation application for online booking, payment, wallet transactions and booking history. apps.apple.com/us/app/libmot-mobile-app/id1587324071

Libmot Express — Production logistics application for shipment contracting, payments, wallet transactions, shipment tracking and history. apps.apple.com/us/app/libmot-express-app/id1548969326

BOTROCK — Christian discipleship app built on a seven-book series, with content unlocked by life stage, offline reading, and Firebase accounts and progress (Flutter, Cubit, go_router, Firebase).

Yuni — Commerce/shopping application currently in development.

Machine Learning + Flutter Projects — Developed and deployed 20+ academic/prototype applications integrating machine-learning models with Flutter, including cassava leaf disease detection, traffic sign recognition, traffic congestion prediction and heart disease risk, using on-device TensorFlow Lite and Python APIs (FastAPI, Flask) deployed on Render.

EDUCATION

BSc Computer Science — Federal University Oye-Ekiti *Nov 2023 – Dec 2025 | Second Class Upper*

Higher National Diploma (HND), Computer Science — Yaba College of Technology, Lagos *Aug 2021 – Feb 2023 | Distinction*

Ordinary National Diploma (OND), Computer Science — Yaba College of Technology, Lagos *Dec 2015 – Jan 2018 | Upper Credit*

LEADERSHIP

- President, National Association of Computing Students (NACOS) — Yaba College of Technology | 2022–2023

LANGUAGES

English