CALEB GRIMAH

SENIOR FULL-STACK SOFTWARE ENGINEER | PRODUCT & PLATFORM SYSTEMS

Abuja, Nigeria • +234 706 062 4870 • caleb.grimah@gmail.com • https://thenorthstar.tech/

PROFESSIONAL SUMMARY

Senior full-stack engineer with 8+ years shipping and maintaining production software in streaming, healthcare, biometric identity, and offline-first field operations. Delivered web, mobile, connected-TV, and API features; investigated production failures across client state, network behavior, service integrations, and SQL queries. Independently architected creator-marketplace products spanning permissions, data models, transactional workflows, and operational tooling. Primary stacks: TypeScript/React/React Native, Node.js, Java/Kotlin, Spring Boot, and PostgreSQL.

CORE TECHNICAL EXPERTISE

Languages: TypeScript, JavaScript, Java, Kotlin, Dart, SQL; Python (prior project use)

Frontend / mobile: React, Next.js, React Native, Flutter, Android, Jetpack Compose, Kotlin Multiplatform

Backend / data: Node.js, Express, Spring Boot, Ktor, REST APIs, PostgreSQL, SQL, Redis, RabbitMQ, WebSockets

Architecture / delivery: relational modeling, RBAC, authentication, entitlements, payments and wallets, offline sync, service integrations, Docker, GitHub Actions, CI/CD, performance diagnostics, code review, incident resolution

AI-assisted engineering: scoped coding agents, repository-aware context, incremental implementation, test generation, diff review, manual security and integration validation

PROFESSIONAL EXPERIENCE

Senior Software Engineer — Endeavor Streaming | *Remote* | *Oct 2024 – Jul 2026*

- Developed shared React and React Native streaming features for 4 client environments—web, mobile, smart TV, and other connected devices—adapting navigation, input events, screen rendering, and playback interfaces to platform constraints.
- Integrated 5 service domains—identity, content, entitlements, playback, and user state—into OTT clients; handled API response states and access-gated flows with backend and platform teams.
- Investigated playback and navigation failures, rendering defects, memory pressure, stale client/API state, and unreliable connections; traced behavior through client components and service responses to isolate reproducible faults.
- Reviewed React/React Native changes, guided shared-component design and platform-specific exceptions, and coordinated fixes with QA, product, backend, and platform engineering.

Stack: TypeScript, JavaScript, React, React Native, REST APIs, connected TV, CI/CD

Software Engineer — eHealth Africa | *Kano, Nigeria* | *Nov 2019 – May 2024*

- Delivered patient and clinician experiences covering 7 workflow domains: appointments, electronic medical records, telehealth, pharmacy, laboratories, memberships, and payments across web, mobile, and services.
- Implemented Node.js/Express endpoints for bookings, authentication, clinical data, healthcare orders, and payments; defined request validation, authorization rules, API response contracts, and recoverable failure handling.
- Investigated slow SQL queries and API requests, inconsistent client/server state, failed third-party integrations, and regressions; reproduced defects with QA and operations and delivered targeted fixes.
- Built and maintained shared UI features and service integrations across React, React Native, Flutter, and native Android codebases; reviewed changes to preserve consistent patient workflows.

Stack: Node.js, Express, React, React Native, Flutter, Java, Kotlin, SQL, REST APIs

Android Developer — Teal Technology Service (IBM OCP JV) | *Abuja, Nigeria* | *Apr 2019 – Apr 2020*

- Built offline-first Kotlin/Java Android workflows for agricultural field teams: validated field forms, persisted records locally, queued uploads, retried failed requests, and recovered safely after network loss.
- Traced synchronization defects across local records, request payloads, server responses, and connectivity changes to prevent missing or inconsistent field submissions.

Stack: Kotlin, Java, Android, local persistence, REST APIs

Software Engineer — Biosec Solutions | *Abuja, Nigeria* | *Apr 2018 – May 2019*

- Developed Java/Spring Boot identity services plus Android/web tools for biometric enrollment, fingerprint matching, identity records, role permissions, and device administration.
- Implemented identity REST endpoints and third-party integrations with input validation, authenticated requests, asynchronous processing, and traceable operation results.

Stack: Java, Spring Boot, Android, JavaScript, Python, SQL, REST APIs

FOUNDER-LED PRODUCT ENGINEERING

Astera — Creator Performance Marketplace | Founder / Full-Stack Engineer | https://astera.africa/

- Architected 4 connected product surfaces—brand web portal, creator mobile app, operations console, and Kotlin/Spring Boot APIs—using PostgreSQL for campaign, participant, and transaction data.
- Designed 7 connected workflow areas: campaign setup/funding, creator submissions, review and approval, performance verification, earnings, wallet activity, and reporting; enforced role permissions and valid state transitions.
- Implemented React and React Native workflows for brands and creators, backed by APIs for submission review, campaign administration, and financial-state tracking.

Arcade Reality — Creator/Brand Collaboration | Founder / Full-Stack Engineer | https://arcadereality.org/

- Built creator–brand collaboration workflows across Next.js/React, TypeScript, Node.js, PostgreSQL, and Redis; owned data modeling, authentication, APIs, UI implementation, and deployment.
- Implemented project discovery, applications, shared workspaces, milestones, asset handoff, deliverable review, approvals, and role-scoped administration.

ADDITIONAL PRODUCTION SYSTEMS

Vesper (Endeavor Streaming) — https://www.endeavorstreaming.com/platform/ | Contributed to cross-device OTT applications, access entitlements, playback, navigation, and API integrations.

GetCare / HealthMate — https://getcare.eha.ng/ | Contributed to patient booking, healthcare commerce, records, membership, and mobile experiences.

EHACare — https://www.eha.care/ | Contributed to integrated clinical and healthcare workflows, including appointments, records, laboratories, and pharmacy.

BioConnect / BioSuite (Biosec Solutions) — https://biosec.com.ng/ | Contributed to biometric enrollment, identity verification, APIs, and device administration.

Udongo (Teal Technology) — Historical Google Play listing: https://play.google.com/store/apps/details?id=ng.udongo.android | Developed offline field capture and retryable data synchronization.

ENGINEERING PRACTICES & COMMUNICATION

Use AI-assisted engineering on Astera and Arcade Reality for scoped architecture, API, UI, test, and review tasks; provide repository context and acceptance criteria, inspect changes, test integrations, and retain human control of security and releases.

The North Star — https://thenorthstar.tech/ | Technical writing on software architecture, debugging, and engineering trade-offs.

EDUCATION

B.Sc., Computer Science | Madonna University, Rivers, Nigeria | 2013–2017