MOSES AGBE

Senior Frontend Engineer · React, Next.js & TypeScript · Real-time UI · Animation · Performance

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SUMMARY

Senior frontend engineer with five years shipping production React, Next.js and TypeScript across insurance, fintech and government products. I own frontend architecture end to end: a design system and micro-frontend platform that five squads ship on, real-time features that recover cleanly from dropped connections and out-of-order events, and animation- and performance-sensitive interfaces built with GSAP, Framer Motion, Canvas, SVG and Three.js. I weigh trade-offs before adding a library, debug hard production issues on my own, design API and real-time contracts with backend engineers, review pull requests, and have led and mentored five engineers.

TECHNICAL SKILLS

Frontend React, Next.js (App Router, Server and Client Components), TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, semantic and accessible markup

State and data Zustand, Redux Toolkit, TanStack Query, RTK Query, REST API design and integration, optimistic updates

Real-time WebSockets, Server-Sent Events, reconnection and backoff, deduplication, ordering, push notifications

Animation and graphics GSAP and ScrollTrigger, Framer Motion, HTML5 Canvas, SVG, Three.js / WebGL, Web Animations API, Web Workers, OffscreenCanvas

Performance Re-render optimization, virtualization, code splitting, bundle size, Core Web Vitals, memory, profiling, low-end device testing

Auth and security OAuth, Azure identity, access and refresh tokens, sessions, protected routes, secure token storage, biometric login

Testing Jest, React Testing Library, Playwright, Cypress, CI pipelines

Mobile and design systems React Native, Expo, EAS, App Store releases; component libraries, micro-frontends, Figma-to-production

EXPERIENCE

Senior Frontend Engineer — Leadway Assurance Apr 2024 – Present

Lagos, Nigeria (Hybrid)

- Built the real-time telemedicine experience in Leadway Health: members chat with a doctor and escalate to a voice call, with live message delivery and recovery when a connection drops mid-consultation.
- Built the payment and premium flows across the Leadway apps: sensitive input steps, confirmation and failure states, and retry handling that decide whether a user trusts a transaction enough to finish it.
- Led the rebuild of the Leadway Health mobile app from Flutter to React Native (Expo) through to App Store release, where it now serves tens of thousands of HMO members and Leadway staff.
- Cut startup and screen load times with re-render optimization, virtualized lists and bundle-size reduction, so the app stays usable on low-end Android devices.
- Traced a defect logging users out mid-task to per-tab inactivity tracking under a shared sign-in, and designed the cross-tab protocol now used across the platform. Maintain the shared authentication layer several products depend on, including OAuth and Azure identity.
- Built the design system and shared component library behind the group's new insurance platform, on a micro-frontend architecture so five squads ship independently without the UI drifting apart; consolidated duplicated data layers across nine call sites and three modals.
- Introduced the first automated tests to a production frontend whose CI pipeline had a test step that ran nothing, and verified session behaviour at cookie level across three environments before release.
- Technical lead through Leadway Health delivery: led and mentored five engineers, set the conventions the codebase still follows, and reviewed the team's code.

Frontend Engineer — Palpeer Apr 2025 – Mar 2026

Lagos, Nigeria (Remote)

- Sole frontend engineer on the internal platform a bureau de change startup's operations depend on, taken from nothing to production use by staff.
- Built the dashboard that replaced manual tracking of peer-to-peer currency operations: live transaction views, rate monitoring and reconciliation reporting, on Next.js, Tailwind CSS and TanStack Query.

Frontend Engineer (Contract) — Oyo State Park Management System Jan 2025 – Mar 2025

Oyo State, Nigeria (Remote)

- Sole developer, alongside one designer, on the system that replaced paper and spreadsheet tracking of transport emblems statewide. Built the emblem engine (unique ID and QR code per vehicle) and the admin dashboard; now covers 50,000+ vehicles.
- Delivered end to end on Next.js and Supabase, covering auth, data modelling and storage as well as the frontend.

Freelance Frontend Developer — client work 2021 – 2024

Remote

- Built and shipped client web products from requirements through deployment and support, including an ecommerce site for a Chicago-based client.

TECHNICAL DEPTH

Animation: Timeline and scroll-triggered animation with GSAP and ScrollTrigger, with cleanup on unmount; Framer Motion with AnimatePresence, layout animations, shared variants and reduced-motion support; transform- and opacity-first animation, profiled for dropped frames.

Canvas, SVG, 3D: Canvas 2D with requestAnimationFrame, hit testing, touch input and devicePixelRatio handling; SVG path-drawing and accessible interactive graphics; Three.js scenes with lazy loading, fallbacks and explicit GPU resource disposal.

Real-time: WebSocket clients with connection-state management, exponential backoff, message IDs and acknowledgements to prevent duplicates, and reconciliation of out-of-order events; SSE with EventSource for one-way updates where a full WebSocket is unnecessary.

Workers: CPU-heavy work moved off the main thread into Web Workers with transferable objects and OffscreenCanvas, after profiling confirmed the bottleneck.

State and testing: Redux Toolkit with normalized state, narrow selectors and clear boundaries between local, shared and server state; Playwright suites across Chromium, Firefox and WebKit with mocked failures, traces and CI integration.

Next.js: App Router with nested layouts, loading and error boundaries, route handlers, caching and revalidation; small Client Component boundaries, server-side authorization, hydration-mismatch debugging.

SELECTED PROJECT

Man of the Sprint — gamified sprint recognition platform. Built solo at Leadway; in production across five squads, 2025 – Present. Reads work items from Azure DevOps, scores contribution across a sprint and recommends a champion per squad, with a live leaderboard.

EDUCATION

The Federal Polytechnic Kaura Namoda — HND, Computer Science 2022 · Distinction