

# MICHAEL ABANIWO

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## PROFESSIONAL SUMMARY

Performance-driven Software Engineer with 5 years of professional experience architecting, optimizing, and scaling production-grade web applications and high-fidelity interactive user interfaces. Deep technical expertise in building type-safe systems leveraging React, Next.js (App Router, Server Components), TypeScript, React Native and NodeJs. Proven track record managing highly complex client-side state, implementing sub-second real-time data streams via WebSockets, and resolving performance bottlenecks to ensure glitch-free user experiences. Translating complex functional criteria into robust technical plans while collaborating with cross-functional engineering, design, and product stakeholders.

## TECHNICAL SKILLS

- **Web Frameworks & Core:** React, Next.js (App Router, SSR/ISR/SSG), HTML5 (Semantic, Canvas layout concepts), CSS3, Tailwind CSS v4 (Oxide Engine), PHP.
- **State Management & Real-Time:** Redux Toolkit, Zustand, WebSockets, Server-Sent Events (SSE), Event-Driven Architectures
- **Mobile & Cross-Platform:** React Native, Expo, Metro Bundler, Capacitor.js, Mobile Push Notifications
- **Languages & Tooling:** TypeScript (Strict Type-Safety), JavaScript (ES6+), Node.js, REST APIs, GraphQL
- **Performance & Rendering:** UI Profiling, Dynamic Code Splitting, Bundle Optimization, Tree-Shaking, Low-Latency Caching
- **Infrastructure & Design:** Git, GitHub Actions, Vercel, Firebase Firestore, Sanity CMS, Figma

## PROFESSIONAL EXPERIENCE

**Frontend Web & Mobile Developer** | Automotion Technologies Limited *Lagos, Nigeria (Hybrid)*  
| Nov 2025 – August 2026

- Architect and scale high-stakes financial client surfaces and real-time transaction feeds, executing end-to-end delivery from secure backend API integration through to robust, highly responsive component UI execution.
- Integrate low-latency real-time communication channels by binding web and mobile surfaces to active WebSockets and Server-Sent Events (SSE) to update active system logs and financial parameters instantaneously.

- Formulate data-heavy analytics dashboards and media-rich interactive interfaces using Recharts and D3.js, maintaining absolute data precision and explicit arithmetic rounding rules across complex transactional streams.
- Expand engineering footprint into cross-platform mobile ecosystems; build, test, and ship high-performance features utilizing React Native and the Expo environment to ensure smooth, responsive frame rates.
- Lead performance optimization sprints by introducing dynamic code-splitting and progressive rendering boundaries, drastically cutting compilation size overhead and maximizing overall client-side render efficiency.
- Migrate core web styling configurations to Tailwind CSS v4 using the native Oxide compilation engine, successfully optimizing Hot Module Replacement (HMR) metrics and streamlining local development workflows via Metro Bundler.
- Mentor junior developers through technical design discussions, pair-programming sessions, and structured code reviews to enforce rigorous TypeScript typing and shared software design patterns.

**Software Engineer (Contract) | Proddly Remote | Aug 2025 – Oct 2025**

- Re-engineered monolithic user workflows into an atomized, highly tree-shakable library of React components, driving an 80% increase in developer delivery velocity and core runtime rendering efficiency.
- Owned server rendering configurations and optimized client-side caching layers by binding headless Sanity CMS content streams directly to deterministic Zustand state management containers.
- Boosted Core Web Vitals parameters by 35% across web applications by prioritizing proactive route prefetching, asset/image optimization, and highly responsive viewport layouts.

**Project / Systems Analyst | SAVIC Company Limited Lagos, Nigeria | Feb 2024 – Feb 2025**

- Collaborated with cross-functional software engineers, UI/UX designers, and product teams to translate complex business specifications and rules into highly clear, well-scoped technical sprint plans.
- Prototyped and validated a cross-platform mobile application for real-time asset telemetry tracking and automated distribution, boosting cross-team data engagement speeds by 75%.
- Documented frontend system specifications, structural layout rules, and shared API integration parameters to optimize delivery pipelines across backend and design stakeholders.

**Frontend Developer | Silo Inc. Lagos, Nigeria | June 2023 – Oct 2023**

- Translated high-fidelity, interactive wireframes from Figma into production-ready, accessible web interfaces utilizing semantic HTML5, modern CSS techniques, and backend PHP integration points.

- Audited and refactored legacy layout patterns to meet strict digital accessibility (WCAG) standards, increasing digital compatibility and raising user satisfaction scores by 30%.

**Frontend Developer** | Hamoye.com *Lagos, Nigeria* | *May 2022 – July 2022*

- Engineered a modular library of foundational, strictly typed UI components using React and TypeScript, securing seamless consistency across platform applications.
- Participated in joint code design architectures and user-experience workflow mapping to scale applications and reduce layout execution friction across complex graphics and views.

## **EDUCATION**

- **Diploma in Backend Engineering (Node.js)** | AltSchool Africa (2022 – 2023)
- **Bachelor of Science (BSc) in Marine Biology** | University of Lagos, Nigeria (2015 – 2019)

## **CERTIFICATIONS**

- AltSchool Diploma in Backend Development (Node.js Validation)
- Lagos Impact Week Entrepreneurship Certificate