

Praise Olaoye

SOFTWARE ENGINEER

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SUMMARY

Full-stack Software Engineer (full stack, frontend & backend) specialising in production-grade, AI-powered web and mobile systems. Experienced in system design and API design — architecting real-time platforms, distributed background job pipelines, and high-performance REST APIs across the TypeScript ecosystem (React, Next.js, NestJS, Node.js). Proven ability to own the full delivery lifecycle — from relational schema design and serverless backend development to cross-platform Flutter mobile applications — with a strong emphasis on scalable architecture, developer experience, and measurable performance outcomes.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript (ES2024), Dart, SQL
Frontend	React 18/19, Next.js 16 (App Router), Vite, Tailwind CSS, Framer Motion, Zustand, TanStack Query, Recharts, React-Leaflet
Backend	NestJS 11, Node.js, Express.js, REST API, RESTful API Design, GraphQL, WebSockets (Socket.io), BullMQ, Redis, Serverless (Vercel/Edge)
Databases	PostgreSQL, MongoDB, Prisma ORM, Drizzle ORM, IndexedDB
Mobile	Flutter (Dart), Firebase Cloud Messaging (FCM), Hive, Background Geolocation
AI & APIs	Google Gemini API, Paystack, Stripe, Clouinary, SendGrid, OAuth 2.0, Web Push (VAPID)
DevOps	Docker, Git, Vercel, Jest, pnpm Monorepo, ESLint, TypeScript Strict Mode, System Design, API Design

PROFESSIONAL EXPERIENCE

Full-Stack Engineer Feb 2026 – Mar 2026

VectorFleet Technologies · Contract / Remote, Lagos

- Architected a production-ready fleet management monorepo across React 18, Flutter, and NestJS 11, powering real-time dispatch and delivery monitoring for multiple enterprise fleet operators.
- Engineered a real-time synchronization engine with Socket.io and Redis, sustaining high-frequency driver location updates and live routing state changes across web and mobile clients concurrently.
- Built resilient background job infrastructure with BullMQ and Redis to orchestrate automated push notifications (FCM), transactional emails (SendGrid), and multi-step delivery tracking state machines.
- Integrated an automated billing system via Paystack API — including enterprise subscription management, programmatic invoice generation, and secure API key rotation for multi-tenant environments.
- Delivered a cross-platform Flutter driver app featuring offline persistence (Hive), background geolocation, and a proof-of-delivery (PoD) toolkit with QR code scanning and timestamped photo capture.
- Designed a granular RBAC model for Admin, Manager, and Driver personas, enforced across a shared PostgreSQL/Prisma relational schema with API-level permission scoping.

Software Engineer — Analytics Platform Nov 2025 – Dec 2025

Nexus Analytics · Independent Build, Remote

- Architected a full-stack AI analytics ecosystem on Next.js 16 capable of ingesting 10,000+ events/sec, comprising a protected dashboard, embeddable tracking SDK, and an integrated commerce demo hub in a unified monorepo.
- Engineered an 8KB gzipped zero-dependency TypeScript tracking SDK leveraging requestIdleCallback for idle-phase execution and exponential-backoff network batching, reducing client-side HTTP overhead by 80%.
- Developed multi-stage MongoDB aggregation pipelines with compound indexes to parse raw telemetry into structured funnel analyses and user retention cohort grids with sub-100ms query times.
- Synthesised behavioural datasets via Google Gemini 2.0 Flash to auto-generate weekly markdown diagnostic reports, surfacing actionable UX recommendations directly to stakeholders.
- Implemented dual-layer offline persistence using IndexedDB and Node.js filesystem fallbacks, guaranteeing zero event loss during intermittent network outages at scale.

Full-Stack Engineer — AI Product Dec 2025 – Jan 2026

Memory Lane · Personal Product, Remote

- Deployed a production Next.js 16 App Router application with 40+ fully-typed RESTful API endpoints and 20+ responsive routes, serving an AI-powered personal timeline product end-to-end.
- Integrated Google Gemini AI into serverless backend routes to synthesise discrete user memories into personalised, chaptered narrative stories with contextual coherence.
- Designed a type-safe relational schema using PostgreSQL and Drizzle ORM covering users, AI stories, media assets, time-locked memory capsules, and a private social graph with RBAC-secured sharing.
- Engineered multi-provider authentication (Google OAuth + Email/OTP via NextAuth.js 5) and a feature-complete sharing model with nested comments, reactions, and service-worker push notifications.
- Built client-side export pipelines using jsPDF and docx to generate beautifully formatted memory documents with inline imagery — eliminating server-side processing overhead entirely.

ADDITIONAL PROJECTS

TimeForge — AI Productivity Ecosystem GitHub · Live

React 18 · Express.js 5 · PostgreSQL · Prisma · Google Gemini API · Node-Cron · Web Push (VAPID)

Full-stack productivity platform using Gemini to generate multi-day schedules and goal roadmaps. Features a resilient dual-layer notification system (Node-Cron + VAPID) and enterprise-grade security with Helmet, rate limiting, and JWT-based Google OAuth 2.0.

EDUCATION

B.Sc. Computer Science with Mathematics Expected June 2029

Obafemi Awolowo University — Nigeria

Relevant Coursework: Data Structures & Algorithms · Database Systems · Operating Systems · Discrete Mathematics · Software Engineering