

Ayilara Boluwatife John

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SUMMARY

Senior Frontend Software Engineer with 5 years of experience specializing in modern, high-performance web development. Expert in crafting scalable, responsive, and accessible User Interfaces (UI/UX) using leading JavaScript frameworks: React.js, Next.js, Vue.js, and Nuxt.js. Proven ability to deliver seamless user experiences through proficiency in Server-Side Rendering (SSR), complex API integration (REST/GraphQL), state management, and advanced Web Performance Optimization.

EXPERIENCE

VENDAW

Jan 2025 - Present

Senior Frontend

Lagos, Nigeria

- Architected and delivered 3 enterprise web applications using TypeScript and Nuxt.js serving 10K monthly active users, improving load times by 45% through advanced code splitting, lazy loading, and optimized state management.
- Engineered end-to-end encryption system using AES-256 and RSA protocols across all applications, ensuring GDPR compliance and securing sensitive user data for financial transactions.
- Reworked and optimized the user onboarding flow, improving completion rates by 30% and significantly reducing drop-offs.
- Developed a dynamic storefront platform that enabled businesses to launch online stores easily, resulting in an average 10% sales growth.
- Delivered a unified vendaw delivery system (VDS) that automated order processing and tracking, improving operational efficiency by 35%.
- Implemented advanced caching and lazy-loading strategies, improving page load time by 45% across storefronts.
- Enhanced the user experience of the KYC/KYB process by breaking complex steps into intuitive sections, leading to higher verification success rates.
- Collaborated with the backend team to restructure transaction API endpoints, cutting response times by 35%.
- Developed a comprehensive invoicing module that automated billing and payment confirmations, reducing manual errors by 40% and improving financial reporting accuracy.
- Engineered a real-time business dashboard with live updates on inventory, orders, sales, and transactions, giving merchants instant insights and alerts when products were low in stock or nearing depletion.
- Led technical design sessions with product and backend teams to architect scalable frontend solutions, reducing API response handling time through custom ORM layer and request batching strategies.
- Collaborated with product and design teams to align user flows with business KPIs, ensuring every feature directly contributed to improved sales, retention, and operational efficiency.
- Mentored 2 junior developers and established frontend coding standards, decreasing code review cycles from 3 days to 8 hours.

JAPA.RUN

Mar 2025 - Jun 2025

Senior Frontend (CONTRACT)

Washington DC, U.S

- Architected and delivered a full-stack Next.js application with SSR and React.js admin dashboard serving 25K+ users, achieving 95+ Lighthouse performance score and improved time-to-interactive.
- Built production-grade PWA with custom Workbox service worker implementing intelligent caching strategies, achieving 99.5% offline

reliability and reducing server load by 35% through strategic asset caching.

- Integrated WebSocket-based real-time chat system handling 10K+ concurrent connections with message delivery rate of 99.9% and sub-200ms latency.
- Spearheaded code review process for 4-person frontend team, established CI/CD best practices reducing deployment time from 45 minutes to 12 minutes, and mentored junior DevOps engineer on frontend optimization techniques.

IBLOOV

Apr 2023 - Jan 2025

Mid-Level Frontend - Senior Frontend

Lagos, Nigeria

- Built and scaled 5+ production applications using TypeScript, React.js, Next.js, and Nuxt.js serving 100K+ users, reducing bundle size by 55% through tree-shaking and dynamic imports.
- Developed the frontend architecture for Ibloov, an event management and lifestyle platform that connects users to experiences, boosting event discovery engagement by 35% within the first quarter of launch.
- Designed and implemented zero-trust encryption architecture using TLS 1.3 and JWT token rotation, preventing 3 potential security breaches and achieving SOC 2 compliance.
- Developed sophisticated frontend data layer with automatic cache invalidation and optimistic updates, improving perceived API latency and user engagement.
- Led frontend architecture migration from monolithic to micro-frontends, allowing multiple teams to deploy independently and ship features faster.
- Reengineered the ticketing and checkout UI, simplifying multi-step processes into intuitive flows that increased completed ticket purchases by 25% and reduced drop-offs during payment.
- Rebuilt the event discovery and filtering interface, improving event search accuracy and reducing bounce rates by 40%.

ARGUE

Jun 2024 - Jan 2025

Mid-Level Frontend (CONTRACT)

Abuja, Nigeria

- Rebuilt accessibility-first application using React.js optimized for older adults (65+ demographic), increasing user retention by 35%.
- Reduced page load time by 30% (from 4.2s to 2.9s) through image optimization, critical CSS extraction, and lazy loading, resulting in 22% increase in conversion rates.
- Implemented secure API integration layer with automatic retry logic and circuit breaker patterns improving data consistency across all endpoints.
- Modernized legacy codebase from class components to functional React with hooks, improving code readability and reducing time required for new developers to contribute.
- Implemented intuitive search, pagination, and filtering for thousands of aircraft accident and incident reports, reducing report retrieval time by 50% and improving user satisfaction.

Paramount Students

Dec 2022 - Jul 2023

Frontend (PART-TIME)

Istanbul, Turkey

- Developed student management platform using Vue.js and TypeScript serving 5K+ students, implementing responsive design that increased mobile usage by 45%.
- Built custom frontend ORM with intelligent caching and query optimization, reducing API calls by 40% and improving application responsiveness by 300ms average.
- Optimized critical rendering path achieving 40% faster initial page load (from 3.8s to 2.3s), resulting in 28% reduction in bounce rate.
- Implemented Scrum practices leading 2-week sprints, increasing team velocity by 30% and reducing bug escape rate from 15% to 4%.

- Built high-performance e-commerce platform using Nuxt.js and TypeScript, achieving 92 Lighthouse score and 2.1s page load time.
- Implemented PWA with offline cart functionality and background sync, increasing mobile conversion rate by 32% and reducing cart abandonment by 18%.
- Optimized product catalog rendering for 10K+ SKUs using virtual scrolling and image lazy loading, reducing memory usage by 65% and improving scroll performance to 60fps.
- Built dynamic checkout flow with real-time validation and payment gateway integration (Stripe), reducing payment failures.
- Integrated real-time stock status indicators and low-inventory alerts, helping reduce customer complaints related to unavailable items.
- Worked closely with the marketing team to implement personalized product recommendations and promotional banners, contributing to a 15% increase in returning customers.

EDUCATION

Ladoke Akintola University of Technology

B.Tech, Computer Science

CERTIFICATION

National Youth Service Corps Certificate (NYSC)

PROJECTS

Kanban Task Management

- Full-stack task management application. Built RESTful backend with Golang and interactive frontend with Vue.js, featuring real-time updates and user authentication.

Open-Bank API (Fintech RESTful API)

- Built a secure banking API using Golang and Gin framework featuring user authentication with JWT, transaction processing, account management, and balance tracking. Implemented middleware for request validation and error handling.

EVENT MANAGEMENT API

- Developed RESTful API for event creation, registration, and user management using Golang and Gin framework. Implemented role-based access control, event scheduling, and attendee tracking with efficient database queries.

PhoneUp (Progressive Web App)

- Built offline-capable contact management PWA using Vue.js with service workers for data persistence. Features include CRUD operations, search functionality, and responsive design optimized for mobile devices.

SKILLS

- **Skills:** Responsive Web Design, Cross-Browser Compatibility, Code Review and Debugging, Problem Solving and Troubleshooting, Strong Communication and Collaboration Skills, Teamwork and Agile Development
- **Programming Languages:** JavaScript, TypeScript, Golang
- **Frameworks:** Vue.js, Nuxt.js, React.js, Next.js, Gin
- **Version Control:** Git

- **Methodologies:** Scrum
- **CSS Frameworks:** Tailwind CSS, Bootstrap

LANGUAGES

- English
- Yoruba

REFERENCE

Available on request